

20000222.qrp v01\_n739.qrl.20000222

Date: Tue, 22 Feb 2000 19:03:12 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1739

## QRP-L Digest 1739

Topics covered in this issue include:

- 1) [63766] XCVR: mechanic's special  
by K7GT@aol.com
- 2) [63767] ? "rig id"  
by Val Lindholm <vlindholm@compuserve.com>
- 3) [63768] Cleaning and Protecting a Vertical  
by K9nk@aol.com
- 4) [63769] Re: Clock Kits?  
by Michael Melland <badger@vbe.com>
- 5) [63770] Wanted: SWL GM-20  
by Ham <hduff@ica.net>
- 6) [63771] What's a decent L/C meter?  
by "Ron White" <rwhite@netins.net>
- 7) [63772] Re: [63721] Re: A bag full of DX @ mW  
by Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
- 8) [63773] South East Asia Qrp  
by "Scott E. Olitsky" <solitsky@acsu.buffalo.edu>
- 9) [63774] HW8 Meter Needed..??  
by "Andy GM0NWI" <Gm0nwi@tesco.net>
- 10) [63775] Re: What's a decent L/C meter?  
by Randy & Cara Randall <crrandal@seidata.com>
- 11) [63776] Some RTTY now! What terror awaits?  
by "Nils R. Young" <nilsbull@juno.com>
- 12) [63777] Re: What's a decent L/C meter?  
by Chris Trask <ctrask@primenet.com>
- 13) [63778] 20 METERS STILL ACTIVE AT 0200Z  
by N10DL@aol.com
- 14) [63779] Re: 20 METERS STILL ACTIVE AT 0200Z  
by "Andrew J. O'Brien" <obrienaj@netsync.net>
- 15) [63780] Re: ? "rig id"  
by "Michael Bower - N4NMR" <bowerm@ix.netcom.com>
- 16) [63781] Re: Took the plunge (10 meter), now what?  
by "Michael Bower - N4NMR" <bowerm@ix.netcom.com>
- 17) [63782] FS: CQ Magazines  
by billrobb@net-link.net
- 18) [63783] KNet 2/20/00  
by "Randy Hargenrader" <randyh@harksystems.com>
- 19) [63784] FS: NCG 15 Meter SSB/CW transceiver

- by Dave Redfearn <n4elm@home.com>
- 20) [63785] OT?? Cruise  
by "Richard and L. C. Hayden" <rhayden@dzn.com>
- 21) [63786] FS: OHR 100-20  
by "Richard and L. C. Hayden" <rhayden@dzn.com>
- 22) [63787] ARRL DX Contest  
by Ken Newman <N2CQ@citnet.com>
- 23) [63788] Re: QRP-TECH Announcement  
by Dave Fifield <fifield@pacbell.net>
- 24) [63789] N2JJ Milliwatting in ARRL TEST  
by Jim Janack <n2jj@ix.netcom.com>
- 25) [63790] Re: South East Asia Qrp  
by "Sly, 9M8SL" <cqsly@tm.net.my>
- 26) [63791] Re: Some RTTY now! What terror awaits?  
by John R Kirby <n3aaz-qrp@juno.com>
- 27) [63792] Re: K2 ON 2M SSB!  
by Zack Lau <zlau@arrl.org>
- 28) [63793] Re: What's a decent L/C meter?  
by Michael Melland <badger@vbe.com>
- 29) [63794] Re: OT:QRO:CONTEST: comments on very QRO ARRL DX experience  
by K7GT@aol.com
- 30) [63795] FW: What's a decent L/C meter?  
by "AI2Q Alex" <ai2q@ispchannel.com>
- 31) [63796] Workbench?  
by Brian Short <bshort@speedchoice.com>
- 32) [63797] Qrp-tech  
by "Hal Schlotfeld" <kc0bdw@worldspy.net>
- 33) [63798] Re: Qrp-tech  
by Roger Hightower <n7kt@earthlink.net>
- 34) [63799] Re: Qrp-tech  
by "Hal Schlotfeld" <kc0bdw@worldspy.net>
- 35) [63800] QT: Re: Qrp-tech  
by "Mont Pierce, KM6WT" <montp@synacom.com>
- 36) [63801] Re: Workbench?  
by "Bob Tellefsen" <n6wg@earthlink.net>
- 37) [63802] Re: Qrp-tech  
by "Rod, N0RC" <n0rc@yahoo.com>
- 38) [63803] Re: Workbench?  
by Ray Colbert <af852@rgfn.epcc.edu>
- 39) [63804] [CONTEST] Skunked in the ARRL DX TEST  
by Monte Stark <ku7y@dri.edu>
- 40) [63805] Re: Workbench?  
by "Rod, N0RC" <n0rc@yahoo.com>
- 41) [63806] Re: Workbench?  
by "Steven Weber" <kd1jv@moose.ncia.net>
- 42) [63807] Re: Workbench?  
by "Jess Gypin" <jessqrp@uswest.net>
- 43) [63808] Re: Qrp-tech

by lujce@Lehigh.EDU

44) [63809] Re: Workbench?  
by Monte Stark <ku7y@dri.edu>

45) [63810] Re: FW: What's a decent L/C meter?  
by "George T. Baker" <w5yr@att.net>

46) [63811] Re: Workbench?  
by "Don Wilhelm" <w3fpr@arrl.net>

47) [63812] Re: Workbench?  
by "George T. Baker" <w5yr@att.net>

48) [63813] Re: Workbench?  
by "George T. Baker" <w5yr@att.net>

49) [63814] Re: TT2, QST, FM/F6FTB?  
by "Ed Hare, W1RFI (w1rfi@arrl.org)" <w1rfi@arrl.net>

50) [63815] RE: Workbench?  
by "Ed Tanton" <n4xy@att.net>

51) [63816] Re: Workbench?  
by "George T. Baker" <w5yr@att.net>

52) [63817] Re: Dipole and ladder line-cutting-WE6W's Prob/Solution  
by Monte Stark <ku7y@dri.edu>

53) [63818] Youze guys are t' blame for this: Digital noises from the badger's nest  
by Nils R Young <nilsbull@juno.com>

54) [63819] Workbench  
by "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>

55) [63820] RE: Youze guys are t' blame for this: Digital noises from the badger's nest  
by "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>

56) [63821] HELP--need ideas re magnifying lens  
by "Wilford D. Lindsey" <70511.3041@compuserve.com>

57) [63822] Re: Workbench  
by "Bradfield, Brad V." <BBradfield@spectrapoint.com>

58) [63823] Re: HELP--need ideas re magnifying lens  
by "Tom Hybiske" <hybiske@generalatronics.com>

59) [63824] Re: HELP--need ideas re magnifying lens  
by neil <neil@aade.com>

60) [63825] Re: Workbench  
by "Bradfield, Brad V." <BBradfield@spectrapoint.com>

61) [63826] Re: Youze guys are t' blame for this: Digital noises from the badger's nest  
by Macstein@aol.com

62) [63827] No incoming email. ZM-2, antenna tests, Elmer Radio.  
by Ed Loranger <we6w@qsl.net>

63) [63828] Re: Workbench  
by "Mike Yetsko" <myetsko@insydesw.com>

64) [63829] Re: Workbench  
by "Richard E. Robinson" <rerobins@email.uncc.edu>

65) [63830] Re: OT?? Cruise  
by "Richard E. Robinson" <rerobins@email.uncc.edu>

- 66) [63831] Re: ElmeRadio Update, Litz Wire, etc.  
by Bruce Kizerian <kizerian@sarcos.com>
- 67) [63832] Re: Cabeling Matrix  
by Chris Cartwright Sr <ccart@phideaux.com>
- 68) [63833] Re: No incoming email. ZM-2, antenna tests, Elmer Radio.  
by Bruce Kizerian <kizerian@sarcos.com>
- 69) [63834] Re: Workbench?  
by JClinton46@aol.com
- 70) [63835] RE: Error Condition Re: soldering iron for field and backpacking...  
by "Tom Scott" <tscott@eni.net>
- 71) [63836] [FOX] -- Is there a hunt tonight?  
by Joel Malman <malman@world.std.com>
- 72) [63837] Re: HELP--need ideas re magnifying lens  
by "George T. Baker" <w5yr@att.net>
- 73) [63838] WTB: Advance & Extra Study Guides  
by Brian Mileschosky <n5zgt@swcp.com>
- 74) [63839] Online Electronics Technologist course ??  
by "Scott Robbins" <srobbins\_qrp@hotmail.com>
- 75) [63840] Re: ElmeRadio kit.  
by Ed Loranger <we6w@qsl.net>
- 76) [63841] Re: Youze guys are t' blame for this  
by "Richard E. Robinson" <rerobins@email.uncc.edu>
- 77) [63842] FYBO Contest Logs..  
by "Phinizy, William" <wphinizy@filenet.com>
- 78) [63843] More antenna weirdness  
by "Gary Lee Phillips" <ka9nzi@arrl.net>
- 79) [63844] Re:More antenna weirdness  
by Ed Loranger <we6w@qsl.net>
- 80) [63845] Re: Youze guys are t' blame for this: Digital noises from the  
badger's  
nest  
by Bill Jones <kd7s@psnw.com>
- 81) [63846] [RE]HELP--need ideas re magnifying lens  
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 82) [63847] Re: QRP-TECH Announcement  
by "Nick Kennedy" <nkennedy@tcainternet.com>
- 83) [63848] FOXHUNT:Team Scores  
by Bruce Rattray <rattray@gpfn.sk.ca>
- 

Date: Mon, 21 Feb 2000 19:00:14 EST  
From: K7GT@aol.com  
To: qrp-l@lehigh.edu  
Subject: [63766] XCVR: mechanic's special  
Message-ID: <5a.1a744ef.25e32b8e@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

I played my last card in the time I have available and have come up empty. My recently completed RedHot 40 needs someone who can finish off the debugging process. The receiver works just fine. Transmit chain puts out power (~4W) but has some sort of oscillation in it. Keying is HARD and clipped/abrupt. Awful squawks and squeals show up in the audio also.

OK, here's the deal. I could send it to Dave for his \$50 fix-it offer, but I doubt that he really has time right now. So... if anyone out there with good savvy and an appropriate electronics workbench is interested in doing something similar, I am READY. If none are tendered, I would also consider selling it AS-IS. My preference is to get it fixed as if I were to sell it I will be getting another kit for a 2nd try. As it is I begin the NC20 next week.

Serious inquiries only. I am frustrated enough already. Details upon request.

Allan K7GT    k7gt@aol.com (nights) or k7gt@qsl.net (days)

-----  
Date: Mon, 21 Feb 2000 19:09:38 -0500  
From: Val Lindholm <vlindholm@compuserve.com>  
To: QRP-L <qrp-l@Lehigh.edu>  
Subject: [63767] ? "rig id"  
Message-ID: <200002211909\_MC2-9A16-4AA8@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain;  
          charset=ISO-8859-1  
Content-Disposition: inline

=

This is my first posting to QRP-L so I hope all is in order. =

=

I recently reserected a little rig I built back in 1978 and made one contact with it in Jan 79. I have long since lost all paperwork so don't=

have a clue what I have. I thought someone might be able to help. The rig

is built around a 7400 IC and a 7403 IC. Xtal controlled on 40 mtr. I wound one coil that seems to be about 7.7 mh. There is a slug tuned coil=

in the output that I wound but am not sure of a value. A couple of resistors and 3 caps. I fed 12 volt across a dropping resistor to the key=

when closed sends 5 volts to the chips. I just tested it on the bench and

it still works and produces 230 mw with the chips right at 5 volts. If anyone can clue me in a bit I would appreciate it and I would like to get=

copies of the article I took it from or at least some paperwork that originated in 77 or 78 at best guess. I don't think it was in QST but maybe '73 Mag,' all of which I don't have anymore.

Thanks - Val Lindholm - KI0GQ - Breckendridge, Co =

=

-----  
Date: Mon, 21 Feb 2000 19:14:50 EST

From: K9nk@aol.com

To: qrp-1@lehigh.edu

Subject: [63768] Cleaning and Protecting a Vertical

Message-ID: <9b.1c148ae.25e32efa@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

What is the best way to clean up a vertical that has some light corrosion and dirt on it? Any sort of liquid cleaner that won't harm aluminum or scratch it?

Also what can you use on plastic and rubber parts on a vertical that won't destroy these parts -- especially concerned about UV since I live in a very sunny area of the country.

Please respond on the reflector or to me via email:

k9nk@aol.com

Thanks everyone for your help!

72's - Norm - K9NK

-----  
Date: Mon, 21 Feb 2000 18:26:33 -0600  
From: Michael Melland <badger@vbe.com>  
To: n8cqa@tir.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [63769] Re: Clock Kits?  
Message-ID: <38B1D7B8.F23025FC@vbe.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Buck Switzer wrote:

> Gang - Earlier today, someone posted an announcement about 24 hour  
> clock kits. I inadvertently deleted it. Could some one give me the  
> webpage again? Thanks.  
>  
> 73 Buck N8CQA

<http://www.klockit.com> and it's located in the Quartz Movements  
section.....

73

--  
Michael Melland, W9WIS  
Winneconne, Wisconsin, USA  
FISTS #4387, 10-10 #69281, QRP-L #1656,  
QRP-ARCI #9875, AK/QRP #478, NorCal,  
NJ-QRP #214, SOC #142, Cheeseheads QRP Club  
CW, SSB, and Electronics  
List Administrator: grundig@qth.net  
<http://www.qsl.net/w9wis>

-----  
Date: Mon, 21 Feb 2000 20:23:38 -0500  
From: Ham <hduff@ica.net>  
To: qrp-l@lehigh.edu  
Subject: [63770] Wanted: SWL GM-20  
Message-ID: <38B1E51A.590ED185@ica.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Looking for a Small Wonder Labs Green Mountain for 20 meters in any form...

dead, alive or unbuilt.

Please reply to [hduff@ica.net](mailto:hduff@ica.net)

-----  
Date: Mon, 21 Feb 2000 19:26:53 -0600  
From: "Ron White" <[rwhite@netins.net](mailto:rwhite@netins.net)>  
To: <[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>  
Subject: [63771] What's a decent L/C meter?  
Message-ID: <000d01bf7cd3\$e83e3d80\$1e188ea7@netins.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi to all,  
I'm interested in getting an L/C meter for the capacitors and inductors which are not marked.  
I want one that works, but which doesn't cost an arm and a leg?  
Thanks for any suggestions.

Ron

Ron White  
e-mail - [rwhite@netins.net](mailto:rwhite@netins.net)  
Amateur radio WA0MWW

-----  
Date: Mon, 21 Feb 2000 17:29:54 -0800 (PST)  
From: Doug Faunt N6TQS +1-510-655-8604 <[faunt@netcom.com](mailto:faunt@netcom.com)>  
To: [aa5tb@swbell.net](mailto:aa5tb@swbell.net)  
Cc: [qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)  
Subject: [63772] Re: [63721] Re: A bag full of DX @ mW  
Message-ID: <200002220129.RAA03800@netcom.com>

Three? There are 6 possibilities. GD, MD, working a 2D would be unlikely, and there's also GT and MT and 2T is even less likely, I think.



If anyone from another non-UK country works from IOM, they MUST use the MD/home call these days. The G prefix is not legal, and hasn't been for a few years now.

I've operated as GT3FLH and MD0BPI. I wonder if the Germans are back at Cronkbane Farm?

73, doug

Date: Sun, 20 Feb 2000 22:22:35 -0600  
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>  
MIME-version: 1.0  
Content-type: text/plain; charset="iso-8859-1"  
Content-transfer-encoding: 7bit

I believe my question was answered by Pat Byers VE6AAN. MD is one of three prefixes for the Isle of Man in Great Britain. I'm sure he wanted to sound as rare as possible.

By the way, looking back at my log I noticed that the station I worked was MD/DL4OI, not MD/DL3IO. But he was the last station I worked and I may have been delirious :-)

73,  
Steve Yates - AA5TB  
Fort Worth, TX - EM12gs  
<http://home.swbell.net/aa5tb>

----- Original Message -----

From: "Steve Yates, AA5TB" <aa5tb@swbell.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Sunday, February 20, 2000 8:48 PM  
Subject: Re: A bag full of DX @ mW

> Congratulations Jim on the mW contacts in the contest!

>

> I too worked the contest but for only about two hours total. I was using 5w

> but with a random wire. 10m was by far the best band but worked some 20m  
> and 40m Saturday night. Only mad 32 Q's and 25 multipliers in total  
though.

>

> I can't figure out the location for one station though. It is MD/DL3IO, a  
> station you logged as well. The call indicates to me to be a German  
station

> operating portable in Great Britain somewhere. Is this correct? If so I  
> would of thought he would of signed G/DL3IO or something. The M's were  
> assigned to Great Britain the last time I looked but I've never heard  
anyone  
> using a MD prefix before.  
>  
> 73,  
> Steve Yates - AA5TB  
> Fort Worth, TX - EM12gs  
> <http://home.swbell.net/aa5tb>  
>  
>  
>

-----  
Date: Mon, 21 Feb 2000 20:30:56 -0500  
From: "Scott E. Olitsky" <solitsky@acsu.buffalo.edu>  
To: <qrp-1@lehigh.edu>  
Subject: [63773] South East Asia Qrp  
Message-ID: <03e701bf7cd4\$b3dd50c0\$414d3018@scott.buf.adelphia.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I will be in Southeast Asia next month and hope to operate while there. Can  
anyone on the west coast of the US give me some idea of how realistic qrp  
contact might be from that part of the world back to the US?

Thanks

Scott  
AC3A

-----  
Date: Tue, 22 Feb 2000 01:43:28 -0000  
From: "Andy GM0NWI" <Gm0nwi@tesco.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [63774] HW8 Meter Needed...??  
Message-ID: <000a01bf7cd6\$381e0400\$c857ac3e@q1n3l2>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hey Guy`s....

Here I am again looking for that "devine intervention" that y'all seem to provide for me when the "searchin" get`s touch...

Just spent the last few day`s gettin` the beloved HW8 rig ready for a complete over haul (a long going saga if you`ve been followin` my "plea" postin`s)....

The story is that I have been for a while now "ressurrectin`" an old HW8 that I aquired some time back, it`s coming along "fine `n` dandy", as they say, I`ve had a fantastic amount of help from a great number of you guy`s here on the list, and I thank you all again so much, without you I would`nt be able to do this challenge....

I am by nature physically handicapped, confined to a wheelchair for mobility, and thus find it hard to get to all the "flea market`s" for those harder to find "bargains" as regard componants etc...

I am at the moment in need of a replacement "RELATIVE POWER/signal meter" for my HW8, as I have now found to my dismay that the original one is not working at all...(any idea`s on the cause guy`s), so will need to be looking for a working one to get the challenge back on track..

I`ve just looked in my HW8 Manual and the part number SEEMS to be indicated as 407-167..... this can be found on PAGE 47 of the manual, it is causing me GREAT GRIEF here guy`s, as you can imagine that the land mass size of both you guy`s in the US and you guy`s in VE-land is much more larger than compared to us here in the UK, so this has lend itself to the problem that there is an EVEN GREATER shortage of spares for these "QRP Gem`s" to be had, this coupled with my physical disposition makes it even more of an arduas task...

So..if there is anything that YOU think you might be able to help me with on this one, please can you e-mail me direct to the address below.... I will as always, offer, to pay for any item`s found and there subsequent shipping etc...

Thanks again for the bandwidth guy`s..... SO MUCH appreciated by this here

individual, I can tell ya, more than you can imagine, thanks for the patience too..... there no doubt WILL be more "pleas" to come..

72's de Andy GMONWI  
Long Live QRP...!!

G-QRP No.9576

-----  
Date: Mon, 21 Feb 2000 21:02:28 -0500  
From: Randy & Cara Randall <crrandal@seidata.com>  
To: rwhite@netins.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [63775] Re: What's a decent L/C meter?  
Message-ID: <38B1EE34.19373918@seidata.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Go to [www.aade.com](http://www.aade.com) and check out their L/C meter. I have one and love to use it. Accurate and reliable. Good price too. You will not be disappointed.

73  
Randy.

Ron White wrote:

> Hi to all,  
> I'm interested in getting an L/C meter for the capacitors and inductors  
> which are not marked.  
> I want one that works, but which doesn't cost an arm and a leg?  
> Thanks for any suggestions.  
>  
> Ron  
>  
> Ron White  
> e-mail - rwhite@netins.net  
> Amatuer radio WA0MWW

-----  
Date: Mon, 21 Feb 2000 21:00:12 -0500

From: "Nils R. Young" <nilsbull@juno.com>  
To: QRP-L@lehigh.edu  
Subject: [63776] Some RTTY now! What terror awaits?  
Message-ID: <20000221.210336.-375953.0.nilsbull@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Fellow loonies!

One of the nasty things that happens around here, now that I have this mobile ZipDisk doodad, is the collection of arcane stuff. Like a RTTY program what runs on the computer like the PSK stuff does. I downloaded one today & unzipped it at work. Then I keyed in some RYs and some SGs & was suddenly moved back in time & space to the middle of the Atlantic inside a steel box, surrounded by MACHINES that made those noises come out of radios. Machines!

It's been 28 years since I left the USN's floating watch detail. About 20 since I left the USNR. And for one moment today, I was suddenly back in time to that space where I rediscovered radio in all its varied powers. Man. . . the memories. The people I worked with, some of whom are now dead or mentally lost. The sounds. The flashing lights.

Too much.

So I just had a light weight QSO on 30m PSK with Kevin (K1KL) in NH. Good QSO. Went on for maybe 20 minutes. Got the pass transistors in the power supply nice and toasty. The RS clock/thermometer said 26 C. Warm enough. And the K2 got a little warm. Not too warm, mind you, but warm enough too.

And before I start gettin' hits for abandoning CW, consider this: the TTY boxes that I used to sit at weighed probably as much as all the furniture in this room. The crypto gear we won't even think about, much less mention, even though I just did & probably shouldn't have but I did anyway so call ONI & have 'em debrief me or something. All that stuff has been replaced by this computer, a small radio & my usual batch of hay-wire wire antennas. All of it. URC32, whatever the UGC6 or something TTY console, the stuff we can't talk about.

It makes me realize just how old I am, sittin' here with hand set type in cases in the garage, cast iron presses, brass keys from three different military institutions, Johnson Viking transmitters, GRC174 receivers, all that junk . . . dinosaur village. Sounds like a ride at Epcot. And they've got the story of Morse & radio all wrong, in case you take that ride.

I hope they pay Bill Nye the Science Guy what they owe him. Enough memories to go around.

GN, y'all. I'm going QRT for a while to think about all this.

73

Nils

-----

Nils R. B. Young -- El Gringo Errante -- La Estancia de los Guajolotes  
Sonrientes

<http://home.fiberia.com/wb8ijn> -- W8IJN --

<http://members.xoom.com/nilsbull>

"In my day we had to FIGHT to have signatures! Every DAY was a STRUGGLE!"

-- Comrade Nikolai Sergeievich

McTovarishov

-----  
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Try it today - there's no risk! For your FREE software, visit:

<http://dl.www.juno.com/get/tagj>.

-----  
Date: Mon, 21 Feb 2000 19:12:03 -0700 (MST)

From: Chris Trask <ctrask@primenet.com>

To: Ron White <rwhite@netins.net>

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [63777] Re: What's a decent L/C meter?

Message-ID: <Pine.BSI.3.96.1000221191113.2255A-1000000@usr09.primenet.com>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

A Tektronix Model 130 works well. Pretty cheap on the used equipment market.

Chris

On Mon, 21 Feb 2000, Ron White wrote:

> Hi to all,

> I'm interested in getting an L/C meter for the capacitors and inductors  
> which are not marked.

> I want one that works, but which doesn't cost an arm and a leg?

> Thanks for any suggestions.

>

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      /-----\
    /  What's all this  \
  /  extinct stuff, anyhow?  \
  \-----/
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High Performance Mixers and  
Amplifiers for RF Communications

Chris Trask / N7ZWY  
Principal Engineer  
Sonoran Radio Research  
P.O. Box 25240  
Tempe, Arizona 85285-5240

IEEE Member #40274515

Email: [ctrask@primenet.com](mailto:ctrask@primenet.com)  
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

-----  
Date: Mon, 21 Feb 2000 21:14:08 EST  
From: N10DL@aol.com  
To: [qrp-1@lehigh.edu](mailto:qrp-1@lehigh.edu)  
Subject: [63778] 20 METERS STILL ACTIVE AT 0200Z  
Message-ID: <77.1b036ce.25e34af0@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Just had a very nice QSO with WA8PWP , Paul in WI. at 0151Z on 14.059. I am  
suprised to find this band open at this time of night. Just at my desk with  
my SST and Isotron antenna, working at the computer and listening to the band.  
Nice.....now back to work!!!

Aron Brown  
N10DL/qrp  
Bedford, NH  
FISTS#4110 QRP-L#1326 soc#10

-----  
Date: Mon, 21 Feb 2000 21:21:23 -0500  
From: "Andrew J. O'Brien" <[obrienaj@netsync.net](mailto:obrienaj@netsync.net)>  
To: <[N10DL@aol.com](mailto:N10DL@aol.com)>, "Low Power Amateur Radio Discussion" <[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>

Subject: [63779] Re: 20 METERS STILL ACTIVE AT 0200Z  
Message-ID: <005301bf7cdb\$8437e180\$662214d0@obrienaj>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

During the CW contest this past weekend, signals were audible on 20M 24 hours per day.

----- Original Message -----

From: <N10DL@aol.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Sent: Monday, February 21, 2000 9:14 PM  
Subject: 20 METERS STILL ACTIVE AT 0200Z

> Just had a very nice QSO with WA8PWP , Paul in WI. at 0151Z on 14.059. I  
am  
> suprised to find this band open at this time of night. Just at my desk  
with  
> my SST and Isotron antenna, working at the computer and listening to the  
band.  
> Nice.....now back to work!!!  
> Aron Brown  
> N10DL/qrp  
> Bedford, NH  
> FISTS#4110 QRP-L#1326 soc#10  
>

-----  
Date: Mon, 21 Feb 2000 21:24:01 -0500  
From: "Michael Bower - N4NMR" <bowerm@ix.netcom.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [63780] Re: ? "rig id"  
Message-ID: <01c201bf7cdb\$e2803bc0\$0100a8c0@dadsmachine>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Val, if you have access to a scanner you might consider "scanning" the front of the rig and putting the jpeg out where we can get to it. That's what I did with my old rig and had several answers (all the same <g>) within a day or two. I suggest the scanner because that might be something you can get done quickly. Since you're not trying to sell the rig, you don't really



need a super photo. Good luck.

BTW, there were a couple of variations about that time for Roy Lewellan's "Optimized Xcvt". Roy is W7EL.

Michael - N4NMR

----- Original Message -----

From: Val Lindholm <vlindholm@compuserve.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Monday, February 21, 2000 7:09 PM

Subject: ? "rig id"

>

> This is my first posting to QRP-L so I hope all is in order.

>

> I recently reserected a little rig I built back in 1978 and made one  
> contact with it in Jan 79. I have long since lost all paperwork so don't  
> have a clue what I have. I thought someone might be able to help. The  
rig

> is built around a 7400 IC and a 7403 IC. Xtal controlled on 40 mtr. I  
> wound one coil that seems to be about 7.7 mh. There is a slug tuned coil  
> in the output that I wound but am not sure of a value. A couple of  
> resistors and 3 caps. I fed 12 volt across a dropping resistor to the key  
> when closed sends 5 volts to the chips. I just tested it on the bench and  
> it still works and produces 230 mw with the chips right at 5 volts. If  
> anyone can clue me in a bit I would appreciate it and I would like to get  
> copies of the article I took it from or at least some paperwork that  
> originated in 77 or 78 at best guess. I don't think it was in QST but  
> maybe '73 Mag,' all of which I don't have anymore.

>

> Thanks - Val Lindholm - KI0GQ - Breckendridge, Co

>

-----  
Date: Mon, 21 Feb 2000 21:39:13 -0500

From: "Michael Bower - N4NMR" <bowerm@ix.netcom.com>

To: "qrp-l" <qrp-l@lehigh.edu>

Subject: [63781] Re: Took the plunge (10 meter), now what?

Message-ID: <021701bf7cde\$02155680\$0100a8c0@dadsmachine>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Wow, I was getting paranoid that no-one wanted to talk to me. I actually wrote my message last Friday night but it didn't go out until 6:17pm today (Monday).

But the responses were great. 5 in less than 20 minutes and another 5 within 2 hours.

Now I'll have to write down a list of all the calls and watch for you guys and gals. This is getting exciting.

BTW, I have had a license since around 1980 but the first QSO I make on this rig will be my first QSO via phone in the HF bands EVER. I'm just a little slow getting started. My first rig was a HW-101 (still have it) but only worked CW on it.

Again, wow. Thanks for all the help.

Michael - N4NMR

----- Original Message -----

From: Deitz, Harold L. <hdeitz@ms.rose.cc.ok.us>

To: <bowerm@ix.netcom.com>

Sent: Monday, February 21, 2000 8:26 PM

Subject: RE: Took the plunge (10 meter), now what?

> Michael,

>

> 28.000 - 28.200 CW

> 28.200 - 28.300 Beacons

> 28.300 - 28.500 USB Novice and Tech plus

> 28.500 - 29.000 USB General and above

> 29.000 - 29.200 AM General and above

> 29.200 - 29.500 Mixed and Satellite

> 29.520 - 29.580 FM repeater inputs 20 Khz step

> 29.600 - FM simplex calling freq

> 29.620 - 29.680 FM repeater outputs 20 Khz step

>

> Some repeaters on 10 Khz steps. Some FM simplex below 29.500, but not below

> 29.000!

>

> Novice and Tech plus presently limited to 28.100 to 28.200 for CW and 28.300

> to 28.500 for USB

>

> LSB is used to talk to the bootleg CB'ers that have invaded the lower part of ten meters and just below 28.000. In other words, LSB on ten meters

> isn't used.  
>  
> As for antennas, simple dipoles and verticals work well. I have worked most  
> of my 30 plus ham years with a trap vertical mounted on the ground. Had a  
> 3-element beam up once for a little while. Worked well also.  
>  
> Don't use RG-58. Use RG-8. The radio is low powered and the loss of  
RG-58  
> for runs more than in the car starts to get up in dB's.  
>  
> Hal  
>  
> -----Original Message-----  
> From: Michael Bower - N4NMR [mailto:bowerm@ix.netcom.com]  
> Sent: Saturday, February 19, 2000 7:56 AM  
> To: Low Power Amateur Radio Discussion  
> Subject: Took the plunge (10 meter), now what?  
>  
>  
> I know that sounds like a stupid question but here it is.  
>  
> I just bought the RS HTX-10 (late Valentine to myself) and have it set up.  
> I know there is some sun activity causing havoc this weekend. But that  
> aside, where in the band will I find most activity, what mode (am, fm,  
usb,  
> lsb on this rig) and what time of day?  
>  
> Also which will get me more activity, simple dipole or simple vertical (or  
> perhaps SLV)?  
>  
> TIA  
>  
> Michael - N4NMR  
>

-----  
Date: Mon, 21 Feb 2000 22:11:34 -0500  
From: billrobb@net-link.net  
To: baswaplist@foothill.net, qrp-1@Lehigh.EDU  
Subject: [63782] FS: CQ Magazines  
Message-ID: <3.0.6.32.20000221221134.0079dce0@POP3.net-link.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I have the following CQ Magazines to be sold as ONE LOT.

I will NOT respond to inquires about singles issues or partial sales.

1961 March  
1967 Feb/Mar/July  
1968 Feb thru Dec  
1969 Jan/Apr/June/July/Aug/Sept/Oct/Nov/Dec  
1970 Feb  
1971 Mar/Apr/May/June/July/Sept/Oct/Nov/Dec  
1972 Jan/Nov/Dec  
1973 Mar/Nov/Dec  
1974 Feb/Mar/Apr/May/June/July/Oct/Nov/Dec

Make an offer

Bill

-----  
Date: Mon, 21 Feb 2000 23:47:33 -0500  
From: "Randy Hargenrader" <randyh@harksystems.com>  
To: <qrp-1@lehigh.edu>  
Subject: [63783] KLNet 2/20/00  
Message-ID: <000d01bf7cef\$f6636400\$34d4f7a5@randy>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

QRP'ers,  
The KnightLite Net was held last night, Sunday night at 9:30pm Eastern.

Conditions were great, allowing a nice turn-out to check-in without too much trouble.

QNS:  
N4DR, Marc, 2watts, dipole  
N4HAY Dick, 2 watts Inverted vee  
WB0CLD, Bill, 5 watts, Yeasu FT301  
AC4QX very weak for me, sorry.  
AE4IC Bob, doing antenna work, resurrecting computer  
N3GO Gary, strong signal as usual from Raliegh area  
WB4OFT John, on Kenwood at 5 watts  
WB4LZQ Kim from Piedmont, SC, 5 watts on vee ant  
N7RI Ralph from VA, 5 watts  
KE4KKR Ed, from Soddy, TN with a 589  
NCS - WJ4P Randy in Summerville, SC

The KnightLite Net meets weekly on Sunday nights at 9:30pm eastern  
at 3.686.4MHz.

72,  
Randy WJ4P

-----  
Date: Mon, 21 Feb 2000 22:55:23 -0600  
From: Dave Redfearn <n4elm@home.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [63784] FS: NCG 15 Meter SSB/CW transceiver  
Message-ID: <38B216BB.B0BEF4A7@home.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I got this, used it some, and it is a fun rig.  
But I'm looking for some new toys :-)

For Sale:

NCG 15M

15 Meter SSB/CW transceiver  
21.000 - 21.450 USB or CW (manual break-in)  
10 Watts PEP - Hi, 2 Watts PEP - Low  
VFO, RIT, Digital Display, Noise Blanker

Used, in very good condition, everything works  
with mike, DC cord, and manual.

Would be good for SSB/CW or QRP satellite

\$175.00 OBO + shipping from 75070

or trade towards Ten-Tec Argosy I, Wilderness Sierra/KC2 or SST-20/40

73 - Dave

=====  
Dave Redfearn, ARS N4ELM, McKinney, TX  
Email: n4elm@NOJUNKhome.com (to reply, remove NOJUNK)  
QRL? de N4ELM/qrp

Date: Mon, 21 Feb 2000 22:05:39 -0700  
From: "Richard and L. C. Hayden" <rhayden@dzdn.com>  
To: qrp-l@Lehigh.EDU  
Subject: [63785] OT?? Cruise  
Message-ID: <3.0.6.32.20000221220539.0079bec0@pop.dzn.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hello Group,

I know that I've seen some information on my question somewhere, sometime, but "lost" it. Please reply off list.

My question is, if you want to take a rig on a cruise (like Carnival) what would be the procedure and any suggestions for antenna. The rig would probably be similiar to a TT1340.

Thanks,

Richard  
wa5rmh  
rhayden@dzdn.com  
another West Texan

-----  
Date: Mon, 21 Feb 2000 22:07:15 -0700  
From: "Richard and L. C. Hayden" <rhayden@dzdn.com>  
To: qrp-l@Lehigh.EDU  
Subject: [63786] FS: OHR 100-20  
Message-ID: <3.0.6.32.20000221220715.0079d720@pop.dzn.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

For sale:

OHR 100-20m rig. In very good condition. \$85 to your door CONUS.  
Richard  
wa5rmh  
rhayden@dzdn.com  
another West Texan

-----  
Date: Tue, 22 Feb 2000 01:20:02 -0500  
From: Ken Newman <N2CQ@citnet.com>  
To: QRP-L@lehigh.edu, njqrp@njqrp.org  
Subject: [63787] ARRL DX Contest  
Message-ID: <3.0.6.32.20000222012002.007c4be0@mail.citnet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hiya,

This was the first time I went QRP for one of the major DX contests. It is amazing how it can work that well! All continents worked on 15 and 10 both. Glad to work QRP to QRP on 4 of the continents. 16 hours of QRP FUN!

N2CQ Results:

BAND	QSO	QSO	PTS	PTS/Q	COUNTRIES
40	20	60	3.0	16	
20	124	372	3.0	50	
15	203	609	3.0	63	
10	226	678	3.0	72	
-----					
Totals	573	1719	3.0	201	= 345,519

Some of the QRP/QRP QSOs during the contest: (UA0 was a pleasant surprise)

10	CW	19/02/100	1334	2	C31LJ	599	NJ	599	005	*	3	0
15	CW	19/02/100	1721	96	WA3WSJ/C6A	599	NJ	599	5	*	3	0
10	CW	20/02/100	1439	313	HA2A	599	NJ	599	5		3	0
10	CW	20/02/100	1747	423	9A7P	599	NJ	599	5		3	0
10	CW	20/02/100	1748	425	LY3BA	599	NJ	599	5		3	0
10	CW	20/02/100	1944	495	LU7EE/QRP	599	NJ	599	5	*	3	0
15	CW	20/02/100	2303	549	UA0KCL/QRP	599	NJ	599	005	*	3	0

Hope all had fun in the test!

72 de

Ken Newman - N2CQ

Woodbury, NJ

N2CQ@ARRL.NET

~~~QRP Contest Calendar~~~

<http://www.njqrp.org/data/contesting.html>

~~~WQ2RP NJQRP Club Station~~~

-----  
Date: Mon, 21 Feb 2000 22:49:37 -0800

From: Dave Fifield <fifield@pacbell.net>

To: adams@pr.erau.edu, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [63788] Re: QRP-TECH Announcement

Message-ID: <003401bf7d00\$fcaf92a0\$0100a8c0@pacbell.net>

MIME-version: 1.0  
Content-type: text/plain; charset="iso-8859-1"  
Content-transfer-encoding: 7bit

Why?

72, Dave, AD6A

----- Original Message -----

From: Chuck Adams <adamsc@pr.erau.edu>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Sent: Monday, February 21, 2000 3:14 PM  
Subject: QRP-TECH Announcement

>  
> Gang,  
>  
> For some period of time I have been working with Jim, N3VXI,  
> on another mail group called QRP-TECH. We have the structure  
> in place and we are ready to rock and roll.

(snip)

> Dr. Chuck Adams, K7Q0 k7qo@primenet.com adamsc@pr.erau.edu  
> Professor of Physics/Computer Science/Electrical Engineering

-----  
Date: Tue, 22 Feb 2000 01:55:20 -0500 (EST)  
From: Jim Janack <n2jj@ix.netcom.com>  
To: qrp-1@Lehigh.EDU  
Subject: [63789] N2JJ Milliwatting in ARRL TEST  
Message-ID: <200002220655.BAA28281@fb02.eng00.mindspring.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I had limited time for the DX Test but did make 246 QRP Q's in 68 DXCC Countries including 26 at QRPp levels.

The lowest was with G4BU0 at 10mW.

2xQRP contacts were with LY3BA ZS6EZ & C31LJ.

I've posted my contest log at:



<http://pw2.netcom.com/~n2jj/dxtestcw.htm>

It contains log data including power details for milliwatting along with station details for those who want to compare.

72,  
Jim N2JJ

-----  
Date: Tue, 22 Feb 2000 15:25:18 +0800  
From: "Sly, 9M8SL" <cqsly@tm.net.my>  
To: solitsky@acsu.buffalo.edu, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [63790] Re: South East Asia Qrp  
Message-ID: <20000222072518.KHCL10683@user>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi Scott,  
I'm from Borneo Island, close to SEAsia.  
As far as my experience has it, qrp stations heard here are mostly Japanese, and vy vy rare for States-side stns to get thru'. Hope that don't discourage you from trying,  
love to work you qrp if you're in SEAsia.  
73 de Sly, 9M8SL

At 08:30 PM 2/21/00 -0500, Scott E. Olitsky wrote:  
>I will be in Southeast Asia next month and hope to operate while there. Can  
>anyone on the west coast of the US give me some idea of how realistic qrp  
>contact might be from that part of the world back to the US?  
>  
>Thanks  
>  
>Scott  
>AC3A  
>  
>

-----  
Date: Tue, 22 Feb 2000 08:18:28 -0500  
From: John R Kirby <n3aaz-qrp@juno.com>  
To: nilsbull@juno.com, qrp-1@Lehigh.EDU

Subject: [63791] Re: Some RTTY now! What terror awaits?  
Message-ID: <20000222.081838.-256183.0.n3aaz-qrp@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

TERROR NOT !

>"Nils R. Young" <nilsbull@juno.com> writes:  
>Fellow loonies!  
>RTTY program what runs on the computer like the PSK stuff does.  
>I downloaded  
>one today & unzipped . . .

AND . . . and went back in time . . .

TNX !! Niles, been there too, FOOF TA

If your K2 runs PSK31  
then it should also run RTTY (AFSK).

AFSK RTTY and FSK RTTY are VERY compatible.  
Nobody (but just may be a \*very\* few old navy salts)  
can tell the difference between FSK RTTY and AFSK RTTY.

AND for whom the the K2 or SSB rig is not possession,  
RTTY (FSK) can be had with the "varactor tuned" CW only rig  
such as the Sierra or the  
NN1G type rigs that  
use a POT for the main tuning control.

Yes, easy to install, cut no printed circuit tracks.

It is true FSK RTTY, see. . .

Subject: "RTTY with CW Only Rigs" in the  
qrp-l archives or at . . .

>><http://www.psnw.com/~kd7s><<  
Re: "RTTY with a Sierra"

or SASE me . . .  
204 Holly St  
Centreville MD 21617

NOTE... In that article,  
I failed to discuss the fact that RTTY is a 100 % duty cycle mode.

While operating RTTY, the final of a CW only transmitter may promote a heat and or power dissipation problem and may require attention (larger heat sink).

While my Sierra does not have any problem running KEY DOWN for ten minutes on 20m into a G5RV, power supply at 12.07 volts, original final, original heat sink, I am sure there are many other variables one must consider.

More FYI,  
scuttlebutt has it there is a neat RTTY mod for the  
"Red Hot CW Radio" due to be published SOON  
in one of the QRP journals.

Enjoy,

John  
N3AAZ  
FM19xa

-----  
Date: Tue, 22 Feb 2000 08:57:17 -0500  
From: Zack Lau <zlau@arrl.org>  
To: qrp-l@lehigh.edu  
Subject: [63792] Re: K2 ON 2M SSB\!  
Message-ID: <38B295BD.734206A4@arrl.org>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Why not QRP on 2M? I've not been keeping track, but I've worked just about everything on 2M QRP that I've worked on 432--where I have 33 grids. True, this was done with a 12 dBi antenna from the summit of Mt Equinox VT, but I've also worked the following 2M DX with 10 watts from the center of Newington, 100 feet above sea level:

Tropo ducting: VE1/FN65 and Virginia FM17 with an HF dipole fed with open wire

Aurora WB2ELB with an indoor 4 el yagi

Tropo works just fine with QRP, as long as you avoid the big pileup on 144.200. KZ1A on Cape Cod worked KP4 on his first night of 2M SSB with 10 watts.

The trick to aurora is using CW at the peak of the opening--not like the fools on SSB who don't realize they are loud but unintelligible.

However, I must admit that it is a lot more fun working on gear for the higher

bands  
above 10 GHz--Zack W1VT

-----  
Date: Tue, 22 Feb 2000 08:36:59 -0600  
From: Michael Melland <badger@vbe.com>  
To: rwhite@netins.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [63793] Re: What's a decent L/C meter?  
Message-ID: <38B29F0B.D2CBF3E5@vbe.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Ron White wrote:

> Hi to all,  
> I'm interested in getting an L/C meter for the capacitors and inductors

The venerable Tek 130 is a nice meter..... it's range only extends to 300 pf though. It's very useful for working on amps.... checking inter electrode capacitance of tubes etc.....very small values of L and C.....

I have one..... and the matching "S" standard for it's calibration. I also have one of the AADE LC Meter IIB's and I think this is a superior instrument. Want to buy my Tek 130 ?

73 de Mike, W9WIS

-----  
Date: Tue, 22 Feb 2000 09:52:52 EST  
From: K7GT@aol.com  
To: qrp-l@lehigh.edu  
Subject: [63794] Re: OT:QRO:CONTEST: comments on very QRO ARRL DX experience  
Message-ID: <d3.1cf08a1.25e3fcc4@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Bill just got the preliminary score to me from our effort.

1605 valid QSOs, 269 mults.

40m: 437Q/62 mult  
20m: 211Q/65 mult  
15m: 404Q/65 mult  
10m: 553Q/77 mult

No 80m effort, of course, due to our station location at CBS studio!

Back to our regular programming...

K7GT

-----  
Date: Tue, 22 Feb 2000 09:51:09 -0500  
From: "AI2Q Alex" <ai2q@ispchannel.com>  
To: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>  
Subject: [63795] FW: What's a decent L/C meter?  
Message-ID: <000601bf7d44\$4171fa20\$5c32a7d0@ispchannel.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Ron:

If you have a signal generator, a General Radio GR-1606 or -1606A impedance bridge is a nice addition to your shack. Although large, this puppy is useful--and accurate. It'll provide you with very close indication of reactance and resistance (thus impedance) at any frequency you excite it with (over its range, of course). Knowing the Z of antennas and networks, etc. is very educational. And, once you know the reactance, it's a matter of fifteen seconds with a calculator to find L or C.

No, it's not handheld, battery powered, or digital.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

Hi to all,  
I'm interested in getting an L/C meter for the capacitors and inductors which are not marked.  
I want one that works, but which doesn't cost an arm and a leg?  
Thanks for any suggestions.

Ron

Ron White  
e-mail - rwhite@netins.net  
Amatuer radio WA0MWW

-----  
Date: Tue, 22 Feb 2000 15:00:00 +0000  
From: Brian Short <bshort@speedchoice.com>  
To: qrp-1@lehigh.edu  
Subject: [63796] Workbench?  
Message-ID: <4.1.20000222145113.03bf4100@mail.phoenix.speedchoice.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Please indulge my simplistic question...

I realize that one can build and/or repair kits or scratch projects on about any horizontal surface (or maybe even in mid-air), but...

Yesterday, after finishing the ceiling in the "shack" I installed the electronics workbench (as opposed to the operating position). Anyway, so far it is a 30" x 5' flat table about 29" inches high and very sturdy. As a part of the structure, there is an integral shelf underneath about 12" x 53".

Obviously, the next step is to work on what goes on top of the surface. I'm thinking some electrical outlets, but I'm kinda stuck on forming a final vision.

Anybody have suggestions, experiences, or pictures of (hobbyist) electronics workbenches.

Thanks, Brian

--  
Brian K. Short <http://www.qsl.net/k7on/> <mailto:k7on@arrl.net>  
--

-----

Date: Tue, 22 Feb 2000 09:01:04 -0600  
From: "Hal Schlotfeld" <kc0bdw@worldspy.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [63797] Qrp-tech  
Message-ID: <001301bf7d45\$a50ef6e0\$94996520@kc0bdw>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I joined the qrp-tech list last night. I like Chuck's idea.. I've only built a ZM-2 so I'm really excited about it. I want to learn how to HB things..  
Hal  
KC0BDW

-----  
Date: Tue, 22 Feb 2000 08:28:24 -0700  
From: Roger Hightower <n7kt@earthlink.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [63798] Re: Qrp-tech  
Message-ID: <38B2AB18.EBEFC450@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

This is a great idea. Technical education/information without all the fluff and filters. Internet elmering, as it were.

--  
72.....Roger

Roger Hightower, N7KT      Mesa, AZ   K2#591    SOC #14

-----  
Date: Tue, 22 Feb 2000 09:38:30 -0600  
From: "Hal Schlotfeld" <kc0bdw@worldspy.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [63799] Re: Qrp-tech  
Message-ID: <002a01bf7d4a\$a60\$94996520@kc0bdw>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Exactly, As far I know there isn't many people around here in Nebraska that do a lot of homebrewing so this is a great chance for me to learn all that I can.  
Hal

-----  
Date: Tue, 22 Feb 2000 07:57:03 -0800  
From: "Mont Pierce, KM6WT" <montp@synacom.com>  
To: <qrp-1@lehigh.edu>  
Subject: [63800] QT: Re: Qrp-tech  
Message-ID: <004701bf7d4d\$763b1300\$72855fcf@synacom.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I joined too and am eagerly looking forward to it.

The only part that seems strange is that we will likely have to go somewhere else to talk about it, like qrp-1... I don't like this idea though because there is too much traffic on qrp-1 as it is and I usually just delete most of it without reading it.

Maybe if we all prefix our Qrp-Tech discussings with "QT:" then I can use a filter to make sure I don't miss any of it.

73,  
Mont

-----  
Date: Tue, 22 Feb 2000 08:26:41 -0800  
From: "Bob Tellefsen" <n6wg@earthlink.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [63801] Re: Workbench?  
Message-ID: <01bf7d51\$99e5cb20\$5dd9fc9e@ham.earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Brian  
Having gone through the same exercise a few years ago, one observation.



You can never have enough ac outlets.  
Don't put them across the back of the bench, you will cover them up with things you set in front of them.  
Put lots of outlets under the front lip of the worksurface where you can get at them.  
Put in twice as many as you think you will need. You will surprise yourself at how many things need an outlet.  
73, Bob N6WG

-----  
Date: Tue, 22 Feb 2000 09:18:42 -0700  
From: "Rod, N0RC" <n0rc@yahoo.com>  
To: <montp@synacom.com>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [63802] Re: Qrp-tech  
Message-ID: <002001bf7d50\$812981e0\$ba101004@compaq>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Monty, et. al.

Be careful about cross-postings to QRP-L. From the QRP-TECH intro letter:

"...All material to QRP-TECH shall not be reposted or discussed on QRP-L.

This is a separate entity and should be treated as such. Again, no cross postings, please. This reflector is not a part of QRP-L or any attempt to move people over. Consider it a completely separate entity...."

Yes, I know, I've just violated the rule--guess I'll have to stay after class...;-)

---  
72/3 Rod, N0RC -- Fort Collins, CO

----- Original Message -----  
From: Mont Pierce, KM6WT <montp@synacom.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Sent: Tuesday, February 22, 2000 8:57 AM  
Subject: QT: Re: Qrp-tech

> I joined too and am eagerly looking forward to it.

>  
> The only part that seems strange is that we will likely have to go  
> somewhere else to talk about it, like qrp-l... I don't like this  
idea  
> though because there is too much traffic on qrp-l as it is and I  
> usually just delete most of it without reading it.  
>  
> Maybe if we all prefix our Qrp-Tech discussings with "QT:"  
> then I can use a filter to make sure I don't miss any of it.  
>  
> 73,  
> Mont  
>  
>

-----  
Do You Yahoo!?  
Talk to your friends online with Yahoo! Messenger.  
<http://im.yahoo.com>

-----  
Date: Tue, 22 Feb 2000 09:32:11 -0700  
From: Ray Colbert <af852@rgfn.epcc.edu>  
To: k7on@arrl.net  
Subject: [63803] Re: Workbench?  
Message-ID: <38B2BA0B.51FB6118@rgfn.epcc.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

When I last built a bench(s) for the shop facility, we had about the same size table top as you, but had a shelf about 18-20 inches above it for mounting of the various instruments such as: scope, bench supplies (2), vtm - hp400/410c types, audio generator, signal generator, etc. The outlet strips were mounted on the table top front - waist high, to power the equipment being worked on, on the front of the shelf unit for the test equipment, and an additional strip on the end of the shelf unit just above the perf board holding hooks for leads, cables, etc. On the left side of the table, attached between the shelf and the shelf support at the table level was multiple 12v outlets for the mobile equipment, capable of handling high current loads. Over in the right section of the table, under the shelf, against the shelf support was the little multidrawer resistor/cap selection, various coax adapters, etc. Oh yes - Drawers? Need drawers for

the catch-all stuff!

The above may not be what you have in mind, but I found it a most convenient type work-bench facility. Hope it helps.

73

Ray

--

"The more I see of the representatives of the people,  
the more I admire my dogs."

letter from Count d'Orsay to John Foster 1850

-----

Ray Colbert, W5XE, 00TC 3618, SOWP 1064M NARTE-NCT2  
(also w5xe@juno.com El Paso, (FAR WEST) TEXAS

-----

Date: Tue, 22 Feb 2000 08:38:02 -0800 (PST)

From: Monte Stark <ku7y@dri.edu>

To: Low Power Amateur Radio <qrp-1@Lehigh.EDU>

Subject: [63804] [CONTEST] Skunked in the ARRL DX TEST

Message-ID: <Pine.GSO.4.10.10002220812470.4807-100000@rotor.dri.edu>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

Great to hear all the adventures in the DX test.

One of the realities of the USA now is that call signs  
mean nothing..... no way to tell where you are unless you  
let us know.... if you are in the west side working EU on  
40m with 20 mW, that impresses the heck out of me!

If you are on the east side, I'd expect you to do that! :-)

>From ID and NV I've worked almost every country in the PAC  
area with less than 1 watt. But it's easy from this side  
of the country..... only have some water to bounce on!

Poor folks in the middle of the country don't have such a  
thing as an "easy" direction! On the other hand, they have  
an advantage in getting something like WAS on 160m.

So PLEASE, when you post something about what you hear or  
work, let us know what part of the country you are in. Thanks.

How did I do in the ARRL DX test you ask?

Well, I got skunked.

And I do mean SKUNKED!

I went into the shack for a few minutes on Sunday but could not breath for long.....

Why you ask???

Well, our oldest son and daughter in law were down from Idaho to help hang some drywall and carry some "stuff" back to ID in preperation for our move into the RV.

Friday eve I set another trap for our little black and white furry "friends". Saturday AM our son from Idaho thought he would take care of the little critter in the trap..... into the water drum it went. He came into the house to get the pellet gun.

When he got back outside, the little critter was half out of the trap..... looked a bit like something right out of some old Keystone Cops movie! Bottom line is that the skunk got away and hid under the house until that night.

Then he went under the shack were he (she?) gave us a little something to remember him by!

Since then I haven't been fooling with the water drum but have instead used a few grains of .22 cal lead to dispatch them while they are still in the trap.

The running total since sunday AM is 4. Got one about 2200 local last night and another very early this AM.

Allout war has been declared! I will win!

Just wait until the trash man picks up this can! :-)

Ahhhhhh, the joys of country living!

(If you have any doubts about the truth of the above story, just ask Mark or Mary.....they were here Saturday and even took some of the sweet smell home with them!)

QRP??? I ran 5w while in the shack Sunday and worked a few SA stations and I use only a QRP lead injector on the skunks! :-)

OK, back in my hole.....

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@qsl.net....SOC #2.....Nevada....NRA LIFE....  
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

-----

Date: Tue, 22 Feb 2000 09:23:16 -0700  
From: "Rod, N0RC" <n0rc@yahoo.com>  
To: <bshort@speedchoice.com>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [63805] Re: Workbench?  
Message-ID: <003a01bf7d54\$da5b3ac0\$ba101004@compaq>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Brian, et. al.:

Check out Graingers web site: [www.grainger.com](http://www.grainger.com) they stock several work benches with pictures on-line. You might get an idea or two that will be helpful.

One thing you may want to consider now is an upper shelf to hold test equipment.

---

72/3 Rod, N0RC -- Fort Collins, CO

----- Original Message -----

From: Brian Short <bshort@speedchoice.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Sent: Tuesday, February 22, 2000 8:00 AM  
Subject: Workbench?

...

> the operating position). Anyway, so far it is a 30" x  
> 5' flat table about 29" inches high and very sturdy.  
> As a part of the structure, there is an integral shelf  
> underneath about 12" x 53".

-----  
Do You Yahoo!?  
Talk to your friends online with Yahoo! Messenger.  
<http://im.yahoo.com>

-----  
Date: Tue, 22 Feb 2000 12:18:45 +0000  
From: "Steven Weber" <kd1jv@moose.ncia.net>  
To: bshort@speedchoice.com  
Cc: qrp-1@lehigh.edu  
Subject: [63806] Re: Workbench?  
Message-ID: <200002221658.LAA05074@wolf.ncia.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

> Obviously, the next step is to work on what goes on  
> top of the surface. I'm thinking some electrical outlets,  
> but I'm kinda stuck on forming a final vision.  
>

Go to an electrical supply house and get a couple of 5 ft outlet strips. These have sockets every 6 inches. Put one along the wall on the back of the bench and one along the front edge of the bench. Also wire in a master "kill" switch, which is easy to reach. Now you'll have plenty of outlets, and believe me, you need plenty of outlets!

Lanolium (sp?) floor covering makes a good top surface for the bench. Often you can get end scraps large enough to cover the bench in one piece from a carpet/flooring outfit for little or nothing.

72,  
Steve, KD1JV in the white Mountains of New Hampshire  
"melt solder"

-----  
Date: Tue, 22 Feb 2000 10:07:22 -0700  
From: "Jess Gypin" <jessqrp@uswest.net>  
To: <kd1jv@moose.ncia.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [63807] Re: Workbench?  
Message-ID: <000b01bf7d57\$4ac192d0\$e009f5d1@stortek.com>  
MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

One more quick idea. Put some mirror tile, the 4X4 or 6X6 peel and stick on the back wall even with the counter like splash back panels. Makes seeing the cables on the back of what ever your wokring on a whole lot easier to see.

Jess

----- Original Message -----

From: "Steven Weber" <kd1jv@moose.ncia.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: February 22, 2000 5:18 AM

Subject: Re: Workbench?

> > Obviously, the next step is to work on what goes on  
> > top of the surface. I'm thinking some electrical outlets,  
> > but I'm kinda stuck on forming a final vision.  
> >  
>  
> Go to an electrical supply house and get a couple of 5 ft outlet  
> strips. These have sockets every 6 inches. Put one along the wall on  
> the back of the bench and one along the front edge of the bench. Also  
> wire in a master "kill" switch, which is easy to reach. Now you'll  
> have plenty of outlets, and belive me, you need plenty of outlets!  
>  
> Lanolium (sp?) floor covering makes a good top surface for  
> the bench. Often you can get end scraps large enough to cover the  
> bench in one piece from a carpet/flooring outfit for little or  
> nothing.  
>  
> 72,  
> Steve, KD1JV in the white Mountains of New Hampshire  
> "melt solder"  
>

-----  
Date: Tue, 22 Feb 2000 12:09:12 -0500 (EST)  
From: lujce@Lehigh.EDU  
To: n0rc@yahoo.com  
Cc: qrp-1@Lehigh.EDU (Low Power Amateur Radio Discussion)  
Subject: [63808] Re: Qrp-tech  
Message-ID: <200002221709.MAA29124@nss4.cc.lehigh.edu>  
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I think the intent is that questions should be sent to the instructor, who can then post the answer/discussion (to QRP-TECH) for all students to see. Discussion that grows from a QRP-TECH lesson but becomes off-topic or too detailed for QRP-TECH is of course welcome on QRP-L. If you're not sure please ask the instructor. In no case should QRP-TECH material be reposted (i.e. forwarded or quoted verbatim) to QRP-L without permission of the instructor.

73

Jim N3VXI

> Monty, et. al.  
>  
> Be careful about cross-postings to QRP-L. From the QRP-TECH intro  
> letter:  
>  
> "...All material to QRP-TECH shall not be reposted or discussed on  
> QRP-L.  
> This is a separate entity and should be treated as such. Again, no  
> cross postings, please. This reflector is not a part of QRP-L or  
> any attempt to move people over. Consider it a completely separate  
> entity...."

-----

Date: Tue, 22 Feb 2000 09:36:37 -0800 (PST)  
From: Monte Stark <ku7y@dri.edu>  
To: Brian Short <bshort@speedchoice.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [63809] Re: Workbench?  
Message-ID: <Pine.GS0.4.10.10002220848370.4807-100000@rotor.dri.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Brian,

I have a few ideas based on using several work benches over the years.

I do NOT like having any plugs at the front of the workbench. All I ever seem to do is bump into them AND.... this is important.... I have seen a few times when a cut off lead wire will fall down between the plug and socket shorting the circuit. While circuit breakers keep this from being too big a deal it sure does make for excitement!



If you do put plug-ins along the front, be sure to put the ground pin UP. This way any scraps of wire that find a plug that isn't inserted all the way will hit the ground pin and "flip" off, usually without touching either of the others.

You need a "top" shelf, just wide enough to hold your test equipment like volt meters and etc.

Power strips are great but costly. You can also use 4 plex box's a bit cheaper. Anyway you go, put in at least twice as many as you figure you will ever need!

Have a master switch on each power strip or row of 4 plex's. I include a light with each master switch to let me know that it's "on". When you walk out of the room and turn the overhead light off, you will know if you left the workbench on or not!

And have at least one 4 plex that is NOT on the master switch. Many things need to keep a xtal oven running 24 hours/day. And even without a xtal oven you will want to keep test equipment "hot" while taking close measurements. You might keep it on for a week at a time.

Keep things like your soldering iron plugged into a circuit on the master switch.

I prefer having the workbench high enough to work at while standing up. It's better for my back. When I sit, I'll use a stool. (The ones I now have at work are too low to stand at and I hate that!)

I prefer a light colored "Formica" top with a rolled front edge and a back splash. This is the "normal" configuration for kitchen work areas. Small parts don't roll off the bench and it's easy on the forearms.

On that I like to put a small static mat that is grounded as recommended.

I also like having a piece of "something" that you can let "get hot" when soldering fittings. I have used old pieces of lab workbenches. (In the old days I used those hard asbestos 1/4" sheets but guess that's a No-No now!)

I have seen people "hang" their test leads on springs overhead to keep them out of the way when not in use but I never cared for that.

Why doesn't someone make "leadless" test probes? :-)

There are a few "trueisams" around a workbench:

All test leads will become tangled with anything else on the bench. Several new knots have been invented by test leads!

Containers of liquids will take their tops off and fall over, often when you are not even there!

Insulation is put on test leads so you will know when they have fallen down inbetween the coils of wire that hold your hot soldering iron.

Insulation smells when melting so that you will know right away that your new, way too expensive test leads are ruined!

Test leads will upset any little container used to keep small parts from becoming scattered around the bench.

If you think trying to keep a paper schematic and rig info on the bench where you can read it is hard, try it with a "microfish" reader! (One of Motorola's better ideas!) :-)

OK, back in my hole.....again

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@qsl.net....SOC #2.....Nevada....NRA LIFE....  
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

-----

Date: Tue, 22 Feb 2000 11:45:37 -0600  
From: "George T. Baker" <w5yr@att.net>  
To: ai2q@ispchannel.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [63810] Re: FW: What's a decent L/C meter?  
Message-ID: <38B2CB41.F09EA771@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Amen, Ron - these old GR boxes can do such an excellent job!

Sadly, though, ever since I got my AEA/Tempo CIA-HF, my GR 916A has remained in the case.

Guess they are a dying or dead breed but SUCH good instruments that none of the "convenient" stuff can really replace for truly accurate results!

72/73, George

Fairview, TX 30 mi NE Dallas in Collin county

Amateur Radio W5YR, in the 54th year and it just keeps getting better!

R/C since 1964 - AMA 98452 RVing since 1972 Kachina #91900556

AI2Q Alex wrote:

>

> Ron:

>

> If you have a signal generator, a General Radio GR-1606 or -1606A impedance

> bridge is a nice addition to your shack. Although large, this puppy is

> useful--and accurate.

-----

Date: Tue, 22 Feb 2000 12:45:46 -0500

From: "Don Wilhelm" <w3fpr@arrl.net>

To: <bshort@speedchoice.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [63811] Re: Workbench?

Message-ID: <008301bf7d5c\$acdb9c40\$8d2c1004@dbw11main>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Brian,

I have built about 50 workbenches for an electronics development shop.

These are used in a professional development lab with lots of equipment and computers on the benchtop.

These benches have an upper shelf (or hood) 17 inches deep for keeping equipment above the benchtop. This shelf is high enough to clear a monitor underneath just in case you need a computer at the bench. The high shelf allows easy work space beneath it too. You may need to use a more narrow shelf since this width was for use on a 36 inch deep workbench.

The electrical power is mounted on the rear underside of this hood (there is a 4inch x 3/4 inch vertically mounted wood strip here - also serves as a beam support for the upper shelf) A light is mounted on the underside near

the front of the shelf to illuminate the entire workbench surface. The power receptacles are accessible and keeps the power cords off the workbench surface and out of the way. Test equipment placed on the upper shelf makes the test lead areas accessible and also out of the way (as opposed to when placed on the workbench surface).

I'm certain you will get a lot more suggestions - choose what works for you.  
73,

Don Wilhelm -Chapel Hill, NC  
W3FPR QRP-L # 485 K2 SN 0020

----- Original Message -----

From: Brian Short <bshort@speedchoice.com>

> Obviously, the next step is to work on what goes on  
> top of the surface. I'm thinking some electrical outlets,  
> but I'm kinda stuck on forming a final vision.  
>  
> Anybody have suggestions, experiences, or pictures  
> of (hobbyist) electronics workbenches.  
>

-----  
NetZero - Defenders of the Free World  
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<http://www.netzero.net/download/index.html>

-----  
Date: Tue, 22 Feb 2000 11:58:21 -0600  
From: "George T. Baker" <w5yr@att.net>  
To: n6wg@earthlink.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [63812] Re: Workbench?  
Message-ID: <38B2CE3D.FBE4125@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Same thoughts, but I put them on both ends of the bench since that area is generally more accessible than either the front or back.

72/73, George  
Fairview, TX 30 mi NE Dallas in Collin county  
Amateur Radio W5YR, in the 54th year and it just keeps getting better!  
R/C since 1964 - AMA 98452 RVing since 1972 Kachina #91900556

Bob Tellefsen wrote:

>  
> Brian  
> Having gone through the same exercise a few years ago, one observation.  
> You can never have enough ac outlets.  
> Don't put them across the back of the bench, you will cover them up with  
> things you set in front of them.  
> Put lots of outlets under the front lip of the worksurface where you can get  
> at them.  
> Put in twice as many as you think you will need. You will surprise yourself  
> at how many things need an outlet.  
> 73, Bob N6WG

-----  
Date: Tue, 22 Feb 2000 12:01:35 -0600  
From: "George T. Baker" <w5yr@att.net>  
To: kd1jv@moose.ncia.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [63813] Re: Workbench?  
Message-ID: <38B2CEFF.73B4B822@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

If you don't splatter too much while "melting solder" I have found that a think felt makes a neat cover for the electronics bench. Keeps from scratching cabinets, etc. I once worked at a military installation where all the benches were covered like that and it really protects the equipment.

But, if you are a real "solder melter" you know by now to always sling the iron onto the floor!

72/73, George  
Fairview, TX 30 mi NE Dallas in Collin county  
Amateur Radio W5YR, in the 54th year and it just keeps getting better!  
R/C since 1964 - AMA 98452 RVing since 1972 Kachina #91900556

Steven Weber wrote:

> Lanolium (sp?) floor covering makes a good top surface for  
> the bench. Often you can get end scraps large enough to cover the  
> bench in one piece from a carpet/flooring outfit for little or  
> nothing.

-----

Date: Tue, 22 Feb 2000 13:06:44 -0500  
From: "Ed Hare, W1RFI (w1rfi@arrl.org)" <w1rfi@arrl.net>  
To: qrp-l@lehigh.edu  
Subject: [63814] Re: TT2, QST, FM/F6FTB?  
Message-ID: <88ujcp\$r9p\$1@p1k.arrl.org>

Pete (N9SSA) wrote:

>- How about that latest copy of QST? I was glad to see the QRP column get  
>started again, then we have this issue with the K2 and Tuna Tin 2! Great  
>press!

QST is working toward being more thematic in its issues. March was the QRP issue. Each issue will be 100% on the theme, because obviously there was significant other material in the March issue, but each issue will have a lot of material on one theme, to the extent that the editors can manage it.

This means, of course, that the April issue will not look nearly as good to QRPers as the March issue, but, all in all, I think this thematic presentation will help foster interest in the topic of the theme, more so than the less-organized approach from years past. OTOH, this did NOT shoot the whole load for QRP for the year -- the column will still be in QST every month and other QRP articles are in the works. Steve Ford and I talked about squeezing in another QRP article into March, but he decided that he wants to see QRP articles in subsequent issues, so I will whip it up later in the year. :-)

My offer to my friends on QRP-L still stands; if anyone wants a sample March QST issue, send me email and I will send it (and a membership application) along as soon as the main run of March issues shows up. No obligation on the membership app, but I gotta' justify the expense of mailing them out to both my boss and my fellow ARRL members.

73,  
Ed Hare, W1RFI  
ARRL Lab

-----  
Date: Tue, 22 Feb 2000 13:19:55 -0500  
From: "Ed Tanton" <n4xy@att.net>  
To: <w5yr@att.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [63815] RE: Workbench?  
Message-ID: <NBBBJDEEIFDDANGEGHLBAEJFIOAA.n4xy@att.net>

MIME-Version: 1.0  
Content-Type: text/plain;  
charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Is that what they make THINKING CAPs out of George????????????

Ed Tanton N4XY <n4xy@arrl.net>

Website: [www.qsl.net/n4xy](http://www.qsl.net/n4xy)

"Do what's right. You'll please some people, and amaze everyone else."

Mark Twain

///snip

>If you don't splatter too much while "melting solder" I have found that a  
>think felt makes a neat cover for the electronics bench. ///snip

>

>72/73, George

>Fairview, TX 30 mi NE Dallas in Collin county

>Amateur Radio W5YR, in the 54th year and it just keeps getting better!

>R/C since 1964 - AMA 98452 RVing since 1972 Kachina #91900556

-----  
Date: Tue, 22 Feb 2000 12:23:25 -0600  
From: "George T. Baker" <w5yr@att.net>  
To: n4xy@att.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [63816] Re: Workbench?  
Message-ID: <38B2D41D.58A61684@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Ow, man! And on prime time TV at that! ;^((

Sometimes it would sure help if my bench cover do do some thinking - Lord  
knows, I need all the help I can get!

#\$%&\* spell-checkers anyway.

72/73, George  
Fairview, TX 30 mi NE Dallas in Collin county  
Amateur Radio W5YR, in the 54th year and it just keeps getting better!  
R/C since 1964 - AMA 98452 RVing since 1972 Kachina #91900556

Ed Tanton wrote:

>

> Is that what they make THINKING CAPs out of George?????????????

-----  
Date: Tue, 22 Feb 2000 10:29:33 -0800 (PST)  
From: Monte Stark <ku7y@dri.edu>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [63817] Re: Dipole and ladder line-cutting-WE6W's Prob/Solution  
Message-ID: <Pine.GS0.4.10.10002221027180.4807-100000@rotor.dri.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Wow,

Now you guys are about to stumble onto my secreat.....

This is why we are moving into the RV.

After installing the antenna I'll just keep moving the RV  
as I trim the feed line.

None of that hard work for this kid..... :-)

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@qsl.net....SOC #2.....Nevada....NRA LIFE....  
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

-----  
Date: Tue, 22 Feb 2000 13:36:05 -0500  
From: Nils R Young <nilsbull@juno.com>  
To: QRP-L@lehigh.edu  
Subject: [63818] Youze guys are t' blame for this: Digital noises from the  
badger's nest  
Message-ID: <20000222.133610.-271511.0.nilsbull@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain



Content-Transfer-Encoding: 7bit

Youze guys!

This is all your fault. Every single one of you people is responsible for me not only getting into QRP with a vengeance not seen since Don Testosteroni was alive. You guys have introduced me to digital things that I have never thought about using before or since! And my son. My son, he's to blame too! He gave me the kick-butt computer that runs real quiet & doesn't blammo my K2. Youze & him. To blame. For me havin' fun!

I just downloaded a Hellschreiber program, another RTTY program and another PSK program. And a CW program. And this thing called MT63.

The RTTY was easy to figure out. The CW's a piece of pie. Cake. Pie. Whatever.

But MT63 is so bizarre that I'd bet even C. Weedhead Greaser wouldn't be bizarre enough to use it. But I am! Any of youze usin' any of these? MT63? Hellschreibung? Hva for ett program? And just wait 'til I get the interface box fixed up for all this stuff! At 5 watts I could . . .

Eh?

73

Nils

-----  
sig momentarily diverted . . .

-----  
YOU'RE PAYING TOO MUCH FOR THE INTERNET!

Juno now offers FREE Internet Access!

Try it today - there's no risk! For your FREE software, visit:

<http://dl.www.juno.com/get/tagj>.

-----  
Date: Tue, 22 Feb 2000 12:44:02 -0600

From: "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>

To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>

Subject: [63819] Workbench

Message-ID: <0974781F4FC8D211A24600902727E806011B1F31@saturn.rose.cc.ok.us>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

All,

Why would anyone want to cover their workbench with felt? Felt creates high static electricity. Carpet on the floor under the work bench is not good either. Neither is wax on the tile. The best covering for a work bench is a static dissipative covering that is grounded to ground. Wearing an ESD (Electrostatic Discharge) wrist strap when working on electronic equipment is also helpful. You can weaken if not destroy static sensitive devices with a static discharge that you cannot even feel. If you would rather use a static dissipative surface, I can provide you information for sources. Reply direct.

Hal

-----  
Date: Tue, 22 Feb 2000 12:51:24 -0600  
From: "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>  
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>  
Subject: [63820] RE: Youze guys are t' blame for this: Digital noises from the bad ger's nest  
Message-ID: <0974781F4FC8D211A24600902727E806011B1F32@saturn.rose.cc.ok.us>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Nils,

Easy man, your about to have a stroke! Just take it one step at a time. There is plenty of fun in Ham radio to last a lifetime. You don't have to use it all up in one night. When things start to slow down a bit, ask me about full color, live motion digital QRP high definition television. You ain't seen nothin' yet, baby!

Hal

-----  
Date: Tue, 22 Feb 2000 13:53:10 -0500  
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>  
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>  
Subject: [63821] HELP--need ideas re magnifying lens  
Message-ID: <200002221356\_MC2-9A28-57B@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain;  
charset=us-ascii  
Content-Disposition: inline

Gang:

My eyesight continues to deteriorate, now more rapidly than I had expected or hoped. Been thinking about one of those lighted magnifying lenses, which sits on the floor or maybe clamps onto the edge of the desk.

To me that all look alike. Could someone recommend the best bang for the buck system? Thanks.

72,

--Doc Lindsey/K0EVZ

DSBF

PO BOX 6028

Bismarck, ND 58506

K0EVZ@arrl.net

-----  
Date: Tue, 22 Feb 2000 13:11:45 -0600  
From: "Bradfield, Brad V." <BBradfield@spectrapoint.com>  
To: "'bshort@speedchoice.com'" <bshort@speedchoice.com>,  
" ", qrp-1@lehigh.edu" <>, qrp-1@lehigh.edu  
Subject: [63822] Re: Workbench  
Message-ID: <8D9A3E0C6F42D1118EDC0060081D3FFA023D8876@ucusmail.spectrapoint.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

Hello Brian and the group - -

You've got lots of great suggestions already, and I won't spend a lot =  
of  
time rehashing them, but would like to expand on a couple:

1) AC outlets - Install plenty of them. BUT!, plenty of outlets  
doesn't do you much good if they're all on a single 15 (or even 20) Amp  
breaker. You'd be surprised how fast you can reach 15 or 20 Amps with =  
a few  
items of test equipment, a couple power supplies, and so on. If at all  
possible, run a dedicated circuit in from your breaker panel strictly =  
for  
the bench. I have a 1KVA isolation transformer in the circuit to my =  
bench.  
That's not absolutely necessary, but if you've ever zapped yourself on =  
the

2) Bench covering - Of extreme importance here is that the bench covering be an anti-static covering. I use 1/8" Masonite, and then put = a suitable sized anti-static mat on top of that at the main work area. = Most of today's commercially made rigs, and many of the kits on the market, = are heavily populated with microprocessors, FPGA's, and so on, and all are highly static sensitive. Oh, and have an anti-static wrist strap = available for use at all times.

Hope that helps. Build the most you think you'll ever need, and you'll still find something next week that you wish you had.

72's es 73's,

[illegible]

Real men talk with their fingers!

|                    |                      |            |
|--------------------|----------------------|------------|
| NORTEX             | NORCAL               | QRP-L #377 |
| SMIRK #4906        | QRP-ARCI #           | ARS #72    |
| Austin QRP Club #i | Alaska QRP Club #350 |            |

Date: Tue, 22 Feb 2000 14:09:34 -0500  
From: "Tom Hybiske" <hybiske@generalatronics.com>  
To: "Low Power Amateur Radio Discussion" <grp-l@Lehigh.EDU>

Subject: [63823] Re: HELP--need ideas re magnifying lens  
Message-ID: <00ac01bf7d68\$5b20a4c0\$7368f326@GACNT>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hey Doc,

I'm in the same predicament as you. I can't even read the markings on many of the components anymore. Too many years staring into 19" CRT I guess. I use a magnifier made by Luxor. It has a grab handle and uses a round florescent tube. Works good for me.

7 3,  
Tom K3GM  
FM29  
SOC #166

> Gang:  
>  
> My eyesight continues to deteriorate, now more rapidly than I had expected  
> or hoped. Been thinking about one of those lighted magnifying lenses,  
> which sits on the floor or maybe clamps onto the edge of the desk.  
>  
> To me that all look alike. Could someone recommend the best bang for the  
> buck system? Thanks.  
>  
> 72,  
> --Doc Lindsey/K0EVZ  
> DSBF  
> PO BOX 6028  
> Bismarck, ND 58506  
> K0EVZ@arrl.net

-----  
Date: Tue, 22 Feb 2000 11:14:18 -0800  
From: neil <neil@aade.com>  
To: 70511.3041@compuserve.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [63824] Re: HELP--need ideas re magnifying lens  
Message-ID: <38B2E00A.F921DA01@aade.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Best price I've seen is at  
<http://members.aol.com/ettored/magnifiers.htm>

--

Neil  
<http://www.aade.com>  
<mailto:neil@aade.com>  
Almost All Digital Electronics  
1412 Elm St. SE  
Auburn, WA 98092  
253-351-9316

-----  
Date: Tue, 22 Feb 2000 13:15:37 -0600  
From: "Bradfield, Brad V." <BBradfield@spectrapoint.com>  
To: "'bshort@speedchoice.com'" <bshort@speedchoice.com>, "'qrp-1@lehigh.edu'"  
<qrp-1@lehigh.edu>  
Subject: [63825] Re: Workbench  
Message-ID: <8D9A3E0C6F42D1118EDC0060081D3FFA023D8877@ucusmail.spectrapoint.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

Oh, yeah, and have plenty of light available on the bench. I bought =  
several  
small fluorescent fixtures (12" tubes) and installed them under the =  
lowest  
shelf above the bench. I also have a gooseneck magnifying lamp with a  
circline fluorescent tube that I can pull into position when needed.

72's es 73's,

Brad, W5CGH

=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=  
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=3D=3D=3D=3D

Brad Bradfield, PE  
(ex WB=D8CGH)

W5CGH

Test Staff Engineer  
SpectraPoint Wireless LLC

Real men talk with their fingers!

NORTEX                    NORCAL                    QRP-L #377  
SMIRK #4906            QRP-ARCI #            ARS        #72  
Austin QRP Club #i            Alaska QRP Club #350

-----  
Date: Tue, 22 Feb 2000 14:15:33 EST  
From: Macstein@aol.com  
To: qrp-l@lehigh.edu  
Subject: [63826] Re: Youze guys are t' blame for this: Digital noises from the bad  
ger's nest  
Message-ID: <11.14e81a0.25e43a55@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Hal wrote:

> Nils,  
>  
> Easy man, your about to have a stroke! Just take it one step at a time.  
> There is plenty of fun in Ham radio to last a lifetime. You don't have to  
(snip)

Hal and others.....

Go back in the archives and peruse for posts by Nils. I have a folder just  
for him. Historically (and currently), Nils is a QRP-L treasure.

-MAC-  
AF4PS  
QRP-L #704

-----  
Date: Tue, 22 Feb 2000 11:17:07 -0800  
From: Ed Loranger <we6w@qsl.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [63827] No incoming email. ZM-2, antenna tests, Elmer Radio.  
Message-ID: <38B2E0B3.985C1D93@qsl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Gang, I personally respond to all email received and  
do so promptly. Unfortunately I cannot pick up email  
today until this evening. If you don't receive a

reply from me, it is not because I've gone mean : )

OBQRP:Am building a ZM-2 for a good friend. This is my 3rd ZM-2. What a fine kit. \$50.00 never looked so good and was so usable. To improve field performance I filed in "D" holes for BNC, and double "D" for the banana jacks. I wish I had some "D" punches for sure but the Harbor Freight round punch served to pull most of the hole diameter and the half round file helped finish to fit.

Also, I worked on making a shielded loop for 40 and 160 meters (2 separate loops). Not done. Was wondering why the self resonant frequency changed so much when I opened the braid at the center. Will have to find my shielded loop information. Am very much interested in Ted Harts loop book if anyone wishes to propose a trade.

Also discovered that using a strand of CPU ribbon line for an antenna element on 160 meters is not a good idea. Never did find a matchable condition even though the Autek had it cut perfectly for 160 Meters. I fear the match condition is so narrow that I keep passing it up. Such is the case for thin antennas at 160 Meters, I guess.

Also built the Elmeradio with son Alex, 6th grade. He was SCARED. "Dad, it's too hard", he blurted as I tried for a 3rd week to get him to start it. Well, I followed that I'd be right here helping and countered that he'd never really know if it is too hard unless he tried.

He loves the thing. Got it built just fine and started figuring out how to best tune the regen. And his soldering skills are great now.

And my projects are just a bit less nerdy to him.

72/Ed we6w

--

-72/Ed WE6W; A-1 OP; SOC #63 "AGN?"; QRP-L#1068

<http://www.qsl.net/we6w> Santa Rosa, CA

QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275 Old NC#2227

-----  
Date: Tue, 22 Feb 2000 14:29:18 -0500

From: "Mike Yetsko" <[myetsko@insydesw.com](mailto:myetsko@insydesw.com)>

To: "Low Power Amateur Radio Discussion" <[qrp-l@lehigh.edu](mailto:qrp-l@lehigh.edu)>

Subject: [63828] Re: Workbench



Message-ID: <006b01bf7d6b\$30c5b820\$9001a8c0@mikey>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I used indoor/outdoor carpeting. When I worked in a shop, that was the 'preferred' bench covering. As long as it was kept clean, the chance of scratching a piece of equipment as you turned it over or around was minimal.

Anything that was 'pristine' got an extra cloth diaper or two laid down as well.

The only down side was spills. One thing used in the shop was "Sears Super Brush Cleaner". It had all kinds of solvents and 'brush softeners' in it. Carefully used, like very sparsely on a gun cleaning patch or Q-Tip, it was hard to beat on pressure rollers and guides. And while it didn't soften or otherwise degrade the nylon guides (if immediately followed by a swipe with an alcohol pad) the 'brush softening' compound worked wonders on pressure rollers in old tape decks. We had quite a few we used to have to say "sorry, parts no longer available" that suddenly were 'recoverable' by using this stuff on the rollers. (And again, immediatly followed by an alcohol wipe!) Anyway, one day I spilled about 1/2 oz or so of the stuff, and it soaked right into the carpet. I cleaned it up (or so I thought), and worked on another unit, which just happened to have a metal case with no plastic. When I was done, I went to yet another unit, a small portable cassette. I turned it upside down and took out the case screws. When I went to flip it over, it stuck to the carpet. What a mess, the plastic had 'oozed into' the carpet. I ended up getting a whole new top case and door brand new for the guy no-charge.

Mike

-----  
Date: Tue, 22 Feb 2000 14:31:40 -0500  
From: "Richard E. Robinson" <rerobins@email.uncc.edu>  
To: hdeitz@ms.rose.cc.ok.us  
Cc: qrp-1@lehigh.edu  
Subject: [63829] Re: Workbench  
Message-ID: <v03102804b4d8936f4977@[152.15.144.71]>  
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

>Why would anyone want to cover their workbench with felt? Felt creates high  
>static electricity.

This dates back to boatanchors days when static had very little if any  
effect on vacuum tubes and their associated circuitry.

72,

Rick kf4ar

-----  
Date: Tue, 22 Feb 2000 14:38:34 -0500  
From: "Richard E. Robinson" <rerobins@email.uncc.edu>  
To: rhayden@dzn.com  
Cc: qrp-1@lehigh.edu  
Subject: [63830] Re: OT?? Cruise  
Message-ID: <v03102805b4d894f9a650@[152.15.144.71]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Richard, wa5rmh, writes;

>My question is, if you want to take a rig on a cruise (like Carnival) what  
>would be the procedure and any suggestions for antenna.

Per FCC rules, you must have permission of the captain or master of the  
ship to operate any radio transmitting equipment. I doubt you would be  
granted permission to erect your own antenna although a sympathetic captain  
and radio officer may allow you to use their HF antenna, if one still  
exists on board.

I've heard of folks using 2M HTs on board during cruises with the  
permission of the captain.

Does anyone know if the rules are different according to the country of  
registry?

72,

Rick kf4ar

-----  
Date: Tue, 22 Feb 2000 12:46:38 -0700  
From: Bruce Kizerian <kizerian@sarcos.com>  
To: Rod Johnson <ka7you@juno.com>  
Cc: qrp-1@Lehigh.EDU  
Subject: [63831] Re: ElmerRadio Update, Litz Wire, etc.  
Message-ID: <38B2E79D.5724EC41@ced.utah.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Rod

Sorry, it has taken so long to reply.

> Your ElmerRadio series has me intrigued, but I must admit I have not  
> followed all of the thread.  
> If our club were to approach the science teacher at the local high  
> school and ask for a half dozen or so students who would be interested in  
> putting together a small AM radio kit, in a supervised situation, would  
> this be an appropriate kit to begin with?

Absolutely! This radio has been designed as an, easy to build, entry level introduction to radio and electronics.

> Is there a web site with more info? It seems that I saw something a  
> while back, but the club is just now getting interested in the  
> possibility of doing something like this.

No web site yet, but give me your address and I'll send you a couple of preliminary instruction booklets.

> What would you expect the costs to be, for the parts and circuitboard  
> kit? We (the club) would probably absorb most of the cost to the  
> participants, but not all, because if it is 'free', it might be perceived  
> to have no value.

Keeping the costs down has been a challenge. Actual parts cost, not including labor, is somewhere around \$11.00 if you buy parts for 25+ units. The real price break doesn't come until 1000 units. In that quantity it may be possible to push the cost down to as low as \$5.00. Note that this is parts cost. If I wanted to make and sell them and not go bankrupt, they would cost \$3-5 more.

> We are looking for ways to get some of the young kids interested in  
> our hobby, and of course our local club also.

These radios are a great way to do that. I wish I was further along. Kits probably won't be ready for a while, but you could put together your own. FAR circuits has a PCB. As far as I am concerned he can sell them to anyone. I would have to contact him and give permission, but, if there is enough interest I'll do that.

Stay tuned...

Bruce kk7zz

-----  
Date: Tue, 22 Feb 2000 14:47:04 -0500 (EST)  
From: Chris Cartwright Sr <ccart@phideaux.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [63832] Re: Cabeling Matrix  
Message-ID: <Pine.LNX.4.04.10002221444180.25661-1000000@dns.phideaux.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Take a look at <http://www.therfc.com/coax.htm> the spec's are listed in the descriptions, and you can get attenuation and power ratings from other charts at the site. This place is only about 4 miles from my house, so if you need someone to visit them personally . . . :) 72

-- Chris Cartwright, Technical Engineer | ccart@phideaux.com --  
-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --  
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

-----  
Date: Tue, 22 Feb 2000 12:49:38 -0700  
From: Bruce Kizerian <kizerian@sarcos.com>  
To: we6w@qsl.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [63833] Re: No incoming email. ZM-2, antenna tests, Elmer Radio.  
Message-ID: <38B2E852.EC40C47D@ced.utah.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

> Also built the Elmeradio with son Alex, 6th grade. He  
> was SCARED. "Dad, it's too hard", he blurted as I tried

> for a 3rd week to get him to start it. Well, I followed  
> that I'd be right here helping and countered that he'd  
> never really know if it is too hard unless he tried.  
>  
> He loves the thing. Got it built just fine and started  
> figuring out how to best tune the regen. And his soldering  
> skills are great now.  
>  
> And my projects are just a bit less nerdy to him.  
>  
> 72/Ed we6w

Ed

If I sold a hundred of these kit and never made a nickel, you and  
your son's success with the ElmeRadio would make it all worth  
while.

Thanks

Bruce kk7zz

-----  
Date: Tue, 22 Feb 2000 14:58:32 EST  
From: JClinton46@aol.com  
To: qrp-l@lehigh.edu (Low Power Amateur Radio Discussion)  
Subject: [63834] Re: Workbench?  
Message-ID: <29.19e38da.25e44468@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Several months ago I read something on web about using diluted black India  
Ink as a wash for masonite(?) covering to create a static discharge surface.  
Seems the carbon in the ink created a high resistance path. Low enough to  
discharge static OK but high enough to not be a short circuit hazard.

Marked it in my memory banks but not well enough to find quickly. Maybe  
someone else remembers and can supply the url. I'll look again if no one else  
finds it.

Clint  
KE4FDT

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Date: Tue, 22 Feb 2000 11:59:45 -0800  
From: "Tom Scott" <tscott@eni.net>  
To: "'qrp-l Reflector'" <qrp-l@Lehigh.EDU>  
Subject: [63835] RE: Error Condition Re: soldering iron for field and backpacking...  
Message-ID: <000001bf7d6f\$600efca0\$e310280a@wyle.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Thought someone here might be able to help me figure out how to power a Weller MCP650 or MCP750 miniature iron for field use.

Ignoring the issue of whether one would want to pack a soldering iron, I ran across a pair of very compact, brand new Weller miniature irons in surplus some time ago and would now like to include these in my QRP field kit. The irons are labeled MCP650 and MCP750 (the numbers designating the Fahrenheit temperature rating). These are tiny temperature controlled irons with replaceable tips. The problem is I don't have a power pack for them.

I believe that most temperature controlled irons work off of 24V. I also know that some of the larger Weller units use a magnetic Currie-point based switching system for temperature regulation (like my TC201, ...I think that's the model number). But I don't know what the temperature regulation mechanism is in these miniature Weller irons, or how to hook them up.

There are three wires connected inside the handle, green, gray, and black. I have measured about 14.5 ohms between the grey and black. I think this calculates out to approximately 40W maximum at 24V, which seems reasonable. The green is apparently not ground and when cold appears to be an open circuit to either of the other wires, but the black is shorted to the iron tip. Connecting 12Vdc across the gray and black, I managed to get the iron to heat up enough to just melt solder, but I don't believe it was full temperature (not knowing what was required to regulate it, I didn't leave it on very long, I didn't want to go any hotter than that). So its pretty clear that the gray and black wires are the heater, which would leave the green to be a control line of some sort. While the heater was warmed up and connected to twelve volts, I measured a smaller voltage across the green and black which went down rapidly after I removed twelve volts, apparently following the heater temperature, so the green may be some sort of active temperature sensor.

That's the extent of my knowledge of this. What I want to do is come up with a simple power control circuit that will power these irons from my 12V gel cells or from a 12V mains supply. I can easily build a switcher to boost the 12Vdc up to 24Vdc, and 12V is the common denominator of power for everything else in my kit.

Anybody familiar with these irons? I haven't tried to contact Weller yet to see if they are willing to give me any assistance. I suppose they will want to sell me an expensive mains supply, assuming they even still support these models. Does anyone know if Weller offers schematics of their irons? Failing that, any suggestions for a clever way to calibrate a control circuit? Somewhere I've got a thermocouple probe that came with my inexpensive digital component meter, but I don't recall if it goes up to temperatures that high.

Thanks!

72

- Tom

\_\_\_\_\_  
Tom Scott - Wyle Electronics - KD7DMH  
10300 SW Nimbus Ave #PB, Portland, OR 97223  
503-603-1931 - Tel 503-684-6620 - Fax  
503-703-2032 - Cell

\_\_\_\_\_

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Date: Tue, 22 Feb 2000 15:05:26 -0500 (EST)  
From: Joel Malman <malman@world.std.com>  
To: qrp-l@Lehigh.EDU  
Cc: k1qm@world.std.com  
Subject: [63836] [FOX] -- Is there a hunt tonight?  
Message-ID: <200002222005.PAA29873@world.std.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Folks,

Is there a FOX hunt tonight 23 Feb (z)? [ Tuesday, 22 Feb in the USA ]

If so, who is the Fox tonight?

--  
/joel K1QM (Queen Mary) Concord, Massachusetts  
QRP-L #337, QRP-ARCI #9305, MI-QRP 1641, SOC #42

-----

Date: Tue, 22 Feb 2000 14:09:31 -0600  
From: "George T. Baker" <w5yr@att.net>  
To: 70511.3041@compuserve.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [63837] Re: HELP--need ideas re magnifying lens  
Message-ID: <38B2ECFB.71DBCD97@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Doc, I use the clamp-on magnifying bench lights for general illumination and wide-field magnification when needed. But, when it gets down to checking individual solder joints, etc. I drag out a small pocket magnifier that has 5X, 10X and 50X capability. Small field of view but blows the stuff up where you can really see what is happening.

The only test that means anything is for you to try them out until you find one that works for YOU. I received both of my lamps as gifts so no price info, but I would expect that \$25-40 would get something worth having. Watch out for distorted images and flimsy mechanical construction. You want that thing to stay put once you get into position. The cheap stuff won't.

72/73, George  
Fairview, TX 30 mi NE Dallas in Collin county  
Amateur Radio W5YR, in the 54th year and it just keeps getting better!  
R/C since 1964 - AMA 98452 RVing since 1972 Kachina #91900556

"Wilford D. Lindsey" wrote:

>  
> Gang:  
>  
> My eyesight continues to deteriorate, now more rapidly than I had expected  
> or hoped. Been thinking about one of those lighted magnifying lenses,  
> which sits on the floor or maybe clamps onto the edge of the desk.  
>  
> To me that all look alike. Could someone recommend the best bang for the  
> buck system? Thanks.

-----

Date: Tue, 22 Feb 2000 13:28:42 -0700 (MST)  
From: Brian Mileschosky <n5zgt@swcp.com>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [63838] WTB: Advance & Extra Study Guides  
Message-ID: <Pine.SUN.3.96.1000222132330.8533A-1000000@llama.swcp.com>



MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello Everybody,

I'm looking to get ahold of the latest Advanced and Extra study guides. I've only used Gordon West's study guides in the past, but I am assuming the ARRL study guides are great tools, too.

I'd like to upgrade from General to Extra between now and April 15, under the old regime. Balancing that with school and Scouting, I have my work cut out for me, but I think it is possible!

If anybody has any of these guides in great condition and for a good price, please email me. Thanks!

72,  
Brian, N5ZGT  
<http://www.unm.edu/~brianm>

-----  
Date: Tue, 22 Feb 2000 12:35:36 PST  
From: "Scott Robbins" <srobbins\_qrp@hotmail.com>  
To: qrp-l@Lehigh.EDU  
Subject: [63839] Online Electronics Technologist course ??  
Message-ID: <20000222203536.83964.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

A while back I saw a post about an electronics technology course offered through the net (correspondence-type). Does anyone recall what the company was or what their website is??

Thanks for your help in advance!

Scott  
VE7CCY <-- wanna-be homebrewer!

-----  
Get Your Private, Free Email at <http://www.hotmail.com>

-----  
Date: Tue, 22 Feb 2000 12:40:30 -0800  
From: Ed Loranger <we6w@qsl.net>

To: kizerian@sarcos.com, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [63840] Re: ElmeRadio kit.  
Message-ID: <38B2F43E.D53E358D@qsl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

And thank you Bruce. It was great winning this little kit in the contest you offered.

Now I gotta do a kit with our 10 year old daughter Kelly. Late in the evening she came out to the shack just to give me a hug. What a bonus. I told her we'd build something together real soon.

Tks agn. -Ed  
Disclaimer:No connection or financial interest in anything or anyone - ever. Just sharing QRP activities.

--

-72/Ed WE6W; A-1 OP; SOC #63 "AGN?"; QRP-L#1068  
<http://www.qsl.net/we6w> Santa Rosa, CA  
QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275 Old NC#2227

-----  
Date: Tue, 22 Feb 2000 15:49:41 -0500  
From: "Richard E. Robinson" <rerobins@email.uncc.edu>  
To: Macstein@aol.com  
Cc: qrp-l@lehigh.edu  
Subject: [63841] Re: Youze guys are t' blame for this  
Message-ID: <v03102806b4d89fe83906@[152.15.144.71]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

>Historically (and currently), Nils is a QRP-L treasure.

Nils is more than a mere treasure! Per Chuck Adams suggestion, Nils is also a QRP-L topic category, ie. HB, ELMER, TECH, FOX, NILS, &c.

On October 10, 1999 Chuck Adams wrote;

>NILS: This is a special classification for Nils, our resident expert  
> on the farout discussions.

That's probably the greatest honor a QRPer can obtain, to transcend QRP-L normality and become a topic category. Who else deserves such an honor?

Think about it, then medicate yourself.

72,

Rick kf4ar

-----  
Date: Tue, 22 Feb 2000 13:00:00 -0800  
From: "Phinizy, William" <wphinizy@filenet.com>  
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>  
Subject: [63842] FYBO Contest Logs..  
Message-ID: <C3AF5E329E21D2119C4C00805F6FF58F02BE5B8B@hq-expo2.filenet.com>

Does anyone know what the correct e-mail address for N7KT is now? I wanted to send him our FYBO contest log and keep getting rejected when I send it to the earthlink address.

Thanks in advance..

Bill,

K6WHP

-----  
Date: Tue, 22 Feb 2000 15:28:00 -0600  
From: "Gary Lee Phillips" <ka9nzi@arrl.net>  
To: qrp-1@lehigh.edu  
Subject: [63843] More antenna weirdness  
Message-ID: <200002222128.PAA02366@mail.lib.colum.edu>

At least, it seems weird to me. Since this list has the most advanced technical minds of any I'm on, I'm going to ask this one here.

I'm using an end-fed wire, about 130 feet counting the feeder. Worked against an 8 foot copper ground stake that is about 8 feet from the transmatch, and an added line to the copper plumbing in the house. This antenna will load up at anything from 1.0 to 1.5 SWR on all bands most of the time, but there is some variation that is probably weather related and has to do with the effectiveness of the ground.

Now here is the oddity. On 7 MHz (often) and 14 MHz (occasionally) I get some RF feedback. It's enough to affect an SSB signal and will lock up the computer or TU when running RTTY. I reconfigured everything, changed the location of the transmatch (thus shortening the feeder) etc. this weekend, and still had trouble on 7 MHz. Then the discovery--this problem only exists at less than 10 watts output! If I raise my output drive to 20 or more watts, the computer/TU problems disappear. How can this be? I had been trying to reduce power to reduce the feedback, but with no success.

-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>  
KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg  
QRP-ARCI #5154 <http://www.netcom.com/~fuffle/>

-----  
Date: Tue, 22 Feb 2000 13:43:36 -0800  
From: Ed Loranger <[we6w@qsl.net](mailto:we6w@qsl.net)>  
To: [ka9nzi@arrl.net](mailto:ka9nzi@arrl.net), Low Power Amateur Radio Discussion <[qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)>  
Subject: [63844] Re:More antenna weirdness  
Message-ID: <38B30308.2B0CACDD@qsl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Just a thought, perhaps the output impedance of the rig is changing depending on how hard/light the final is driven?

-Ed

--

-72/Ed WE6W; A-1 OP; SOC #63 "AGN?"; QRP-L#1068  
<http://www.qsl.net/we6w> Santa Rosa, CA  
QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275 Old NC#2227

-----  
Date: Tue, 22 Feb 2000 14:00:49 -0800  
From: Bill Jones <[kd7s@psnw.com](mailto:kd7s@psnw.com)>  
To: [nilsbull@juno.com](mailto:nilsbull@juno.com)  
Cc: Low Power Amateur Radio Discussion <[qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)>  
Subject: [63845] Re: Youze guys are t' blame for this: Digital noises from the badger's nest  
Message-ID: <38B30711.67B0BD18@psnw.com>  
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

So, Nils, Youze finally discovered what some of us have been saying all along. That is, RTTY (as well as other digital modes) are not your enemy ... rather, they are lots of fun.

While my first love is (and always will be ) CW, I also enjoy RTTY, Pactor, PSK-31, Hell and MT-63. I've even been known to try my hand at SSTV, but after you've seen a couple hundred garage calendar photos, you've seen them all.

Keep it up, Nils. You have nothing but fun ahead of you.

Nils R Young wrote:

>  
> Youze guys!  
>  
> This is all your fault. Every single one of you people is responsible for  
> me not only getting into QRP with a vengeance not seen since Don  
> Testosteroni was alive. You guys have introduced me to digital things  
> that I have never thought about using before or since!  
--

-----  
Bill Jones - KD7S <><  
Sanger, California  
<http://www.psnw.com/~kd7s>  
-----

-----  
Date: Tue, 22 Feb 2000 17:21:33 -0500  
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>  
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>  
Subject: [63846] [RE]HELP--need ideas re magnifying lens  
Message-ID: <200002221724\_MC2-9A30-61DA@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain;  
          charset=us-ascii  
Content-Disposition: inline

Gang:

Wow, thanks for the two dozen replies re my question. You guys are truly terrific, and I appreciate every response. Please accept this "wholesale" thank you note -:).

GL in tonight's FOX hunt, and I hope the conditions are excellent for everyone involved.

72,

--Doc Lindsey/K0EVZ

DSBF

PO BOX 6028

Bismarck, ND 58506

K0EVZ@arrl.net

-----  
Date: Tue, 22 Feb 2000 17:28:52 -0600

From: "Nick Kennedy" <nkennedy@tcainternet.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [63847] Re: QRP-TECH Announcement

Message-ID: <003701bf7d8c\$94c69940\$5b5c32cf@tcac.net>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

> Why?

>

> 72, Dave, AD6A

>

Well, Chuck does a lot more explaining in his "welcome" message than he did in his announcement here.

It's not gonna be a list like this one, cause you can't post unless Chuck decides to retransmit something you send him. He's planning to conduct a technical class via list postings.

It might be good and it might be bad, but it doesn't seem like it's gonna compete with or dilute QRP-L.

72,

Nick, WA5BDU

-----  
Date: Tue, 22 Feb 2000 17:37:58 -0600 (CST)

From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-1@LeHigh.EDU>  
Subject: [63848] FOXHUNT:Team Scores  
Message-ID: <Pine.LNX.3.95.1000222172728.11627A-100000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

question - did Bill, K5LN, of the Texas Tarantlas grab a pelt? - tn timer -  
Bruce.

\*\*\*\*\*  
..DON'T FORGET FOXII, SEND YOUR "FINAL LOG" TO ME AS WELL  
AS TO PAUL...that will be a big help...thank you all....

\*\*\*\*\*

Fox Hunt 31 - NOIT -

\*\*\*\*\*

20th. MAINE BENGAL BEARS:Total=12      BLUE J's:Total=14

-----

Jim - N5IB <-  
Butch - N5SMQ  
Bill - NT1R  
Joel - KE1LA

-----

John - VE3JC <-  
Jim - VE6JWA  
Jeff - VA3JFF  
Jon - TF3JA

EMPIRE HOUNDS:Total=18

-----

Dick - K2JQ  
Kevin - N2TO  
Mark - N2JTW  
Nick - KF2PH

HOUSTON HOUNDS:Total=90

-----

Bill - K5ZTY <-  
Bill - W5SB  
Terry - KQ5U <-  
Dan - KK5LD <-

MANGY MUSHERS:Total=72

-----

Pete - NV4V <-  
Paul - VA7NT  
Bruce - N7RR  
Ed - K1VP <-

NIGHT OWLS:Total=49

-----

Ed - WE6W <-  
Rich - N5JI  
Dan - N7CQR  
Ben - NW7DX

OKLAHOMA TORNADOS:Total=63

-----

Cliff - N5UW <-  
Royce - KE5TC  
Don - K5AAR <-  
Gody - AC6UV

RAIDERS OF THE LOST RF:Total=56

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Fred - VE3FAL  
Earl - VE6EWM <-  
Mary - NA6E  
Bruce - VE5RC <-

SFBA FOGHORNS:Total=23

-----

Bob - N6WG  
Conrad - NN6CW  
Andreas - N6NU  
Allan - K7GT

SWORDS:Total=50

-----

Rick - WB6JBM  
Andy - KC8KF  
Doc - K0EVZ <-  
Dan - N8IE <-

TEAM ScQRPion:Total=84

-----

Floyd - NQ7X <-  
Gary - AB7MY  
Conard - WS4S <-  
Bob - NK7M <-

TEXAS TARANTULAS:Total=79

-----

Bill - K5LN  
Dave - N5IW <-  
Bob - AF5Z <-  
Tom - N5TW <-

WESTERN WRANGLERS:Total=44

-----

Randy - K7TQ  
Chuck - K7QO  
Steve - WW7Y  
Ron - KU7Y <-

SCATTER SHOT GUNNERS:Total=76

-----

Mike - K1MG <-  
Jack - W5TFB  
Stan - N6XU  
Pat - K0PC

SWAMP RATS:Total=93"Sweep"

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Tom - N1TP <-  
Mac - AF4PS <-  
Fred - W2XN <-  
Paul - AJ4Y <-

TEAM CRAMP.COM:Total=44

-----

OJ - K10J <-  
George - K5VUU  
Mike - K5NZ  
Eric - NM5M

TESLA'S TERRORS:Total=113"Sweep"

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Wayne - N0EA <-  
Dan - N0DT <-  
Tim - N0EHW <-  
Joe - W0JOE <-

UNDERDOGS:Total=93

-----

Roy - AB7CE <-  
Dan - N4ROA <-  
Brian - KB9BVN  
Ron - KI0II

NORTEX Irregulars:Total=13

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Doc - W5TB  
Joe - KK5NA  
Don - N5YAK  
Barb - KK5QA

...72 - Bruce(VE5RC+VE5QRP)



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End of QRP-L Digest 1739

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